



Full wwPDB NMR Structure Validation Report ⓘ

Mar 9, 2026 – 01:44 PM UTC

PDB ID : 3ZQD / pdb_00003zqd
BMRB ID : 17701
Title : B. subtilis L,D-transpeptidase
Authors : Lecoq, L.; Simorre, J.-P.; Bougault, C.; Arthur, M.; Hugonnet, J.-E.; Veckerle, C.; Pessey, O.
Deposited on : 2011-06-09

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

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

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

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

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

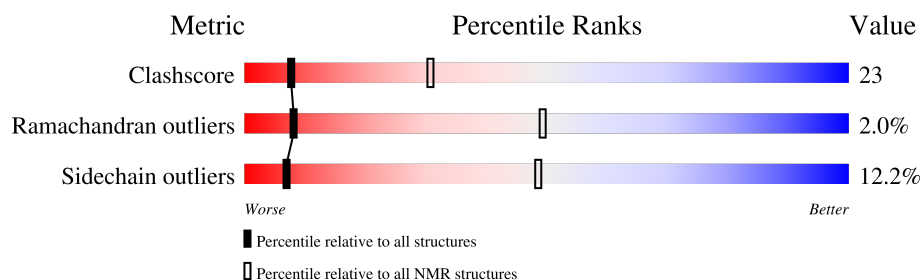
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 92%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	175	

2 Ensemble composition and analysis

This entry contains 20 models. Model 7 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:4-A:107, A:113-A:167 (159)	0.27	7

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

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

The models can be grouped into 4 clusters and 3 single-model clusters were found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 2597 atoms, of which 1322 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called L, D-TRANSPEPTIDASE YKUD.

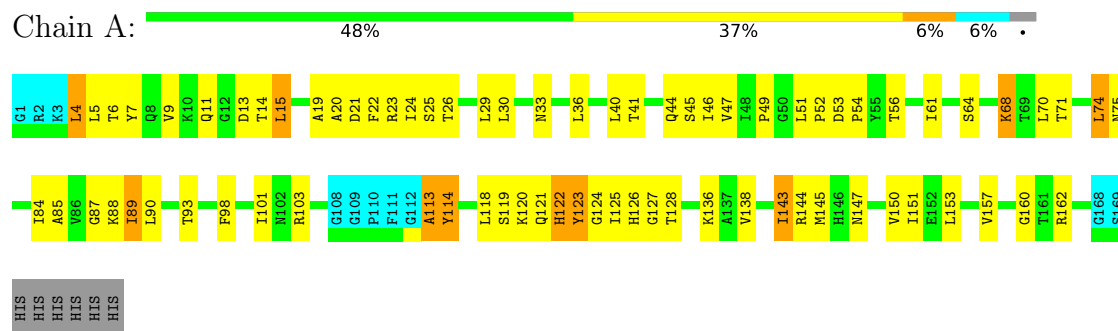
Mol	Chain	Residues	Atoms						Trace
1	A	169	Total	C	H	N	O	S	0
			2597	810	1322	230	232	3	

There are 12 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	-	expression tag	UNP O34816
A	2	ARG	-	expression tag	UNP O34816
A	3	LYS	-	expression tag	UNP O34816
A	4	LEU	-	expression tag	UNP O34816
A	168	GLY	-	expression tag	UNP O34816
A	169	SER	-	expression tag	UNP O34816
A	170	HIS	-	expression tag	UNP O34816
A	171	HIS	-	expression tag	UNP O34816
A	172	HIS	-	expression tag	UNP O34816
A	173	HIS	-	expression tag	UNP O34816
A	174	HIS	-	expression tag	UNP O34816
A	175	HIS	-	expression tag	UNP O34816

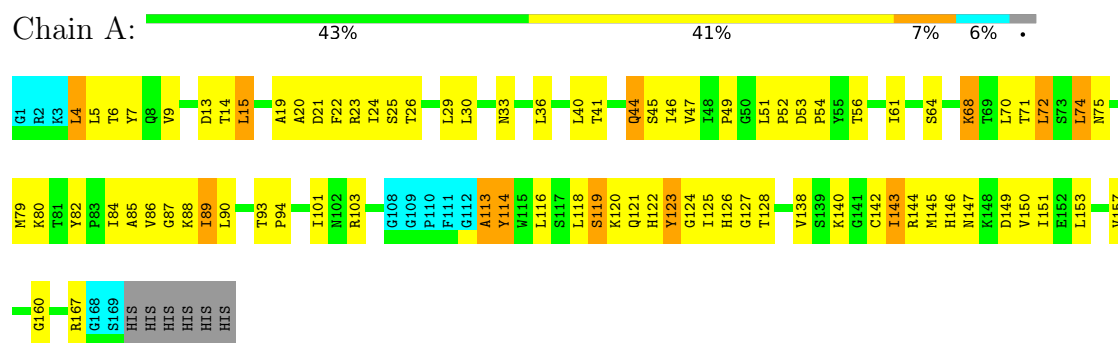
4.2.2 Score per residue for model 2

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



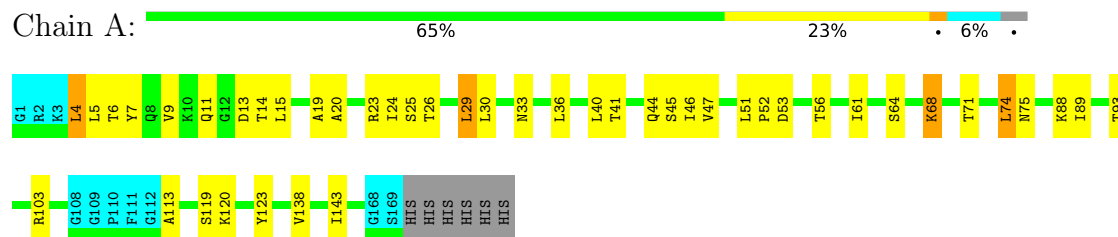
4.2.3 Score per residue for model 3

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



4.2.4 Score per residue for model 4

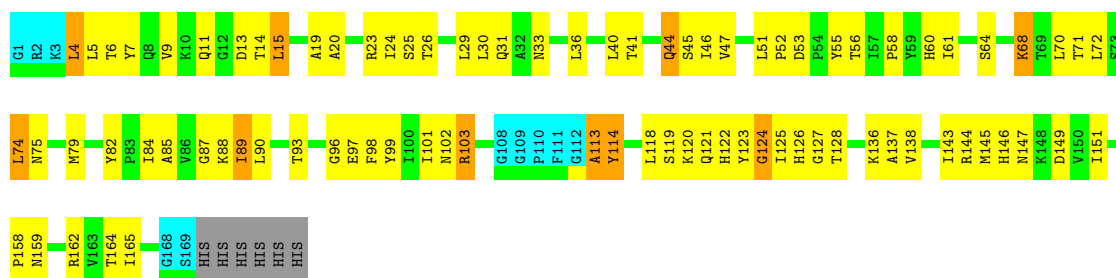
- Molecule 1: L, D-TRANSPEPTIDASE YKUD



4.2.5 Score per residue for model 5

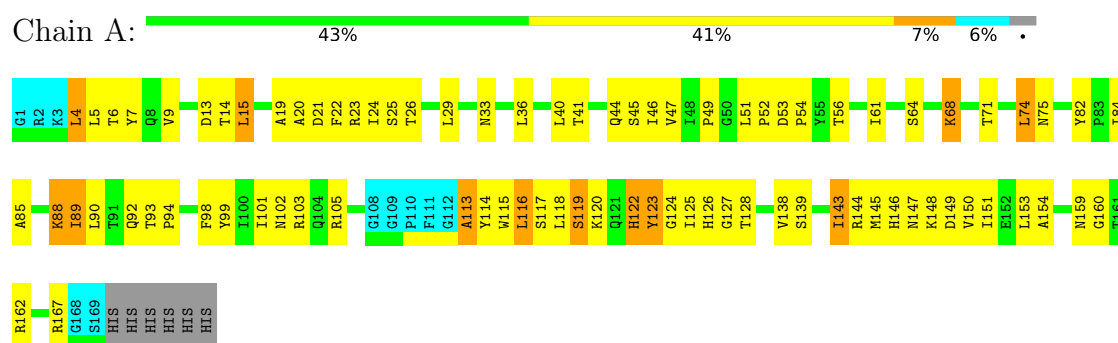
- Molecule 1: L, D-TRANSPEPTIDASE YKUD





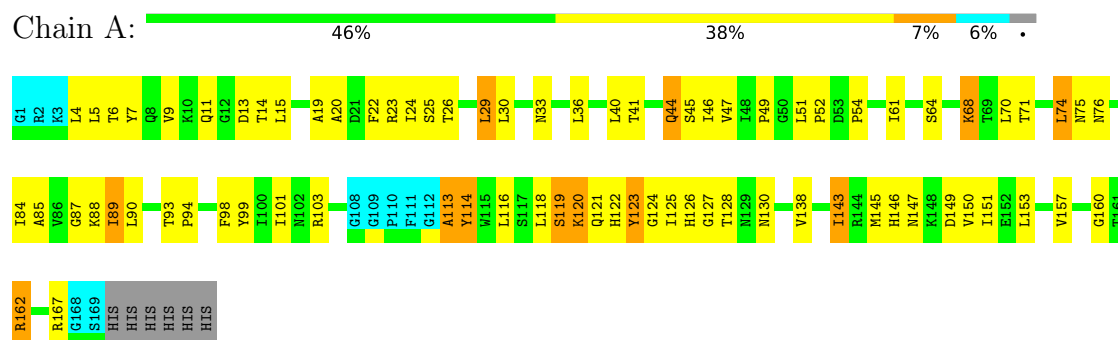
4.2.6 Score per residue for model 6

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



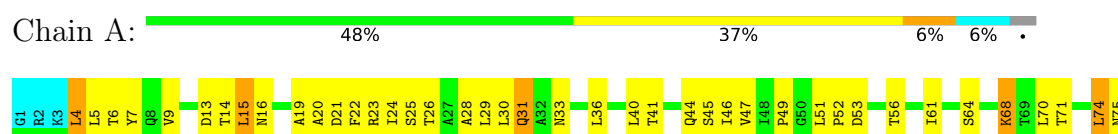
4.2.7 Score per residue for model 7 (medoid)

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



4.2.8 Score per residue for model 8

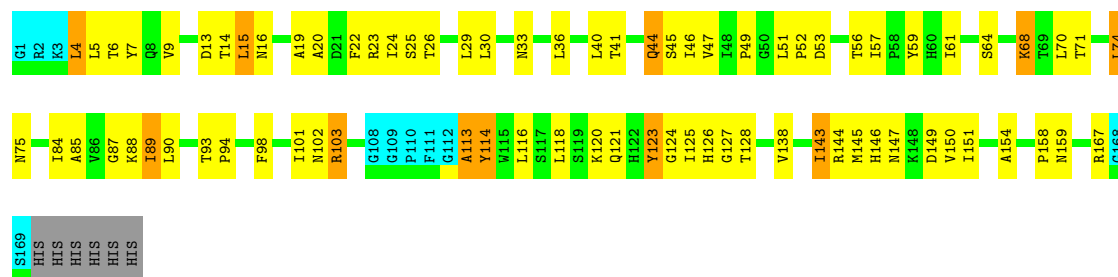
- Molecule 1: L, D-TRANSPEPTIDASE YKUD





4.2.9 Score per residue for model 9

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



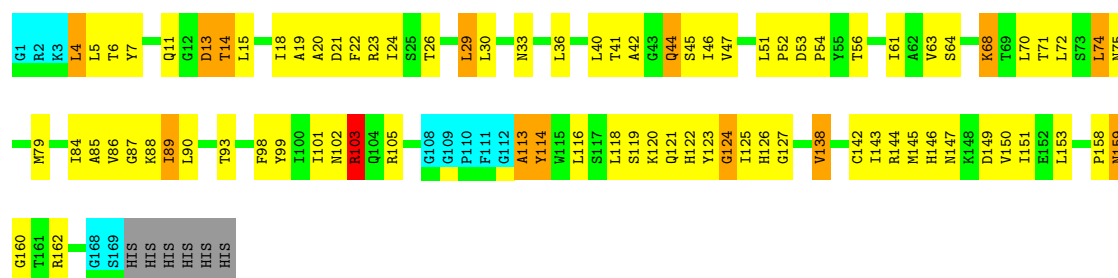
4.2.10 Score per residue for model 10

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



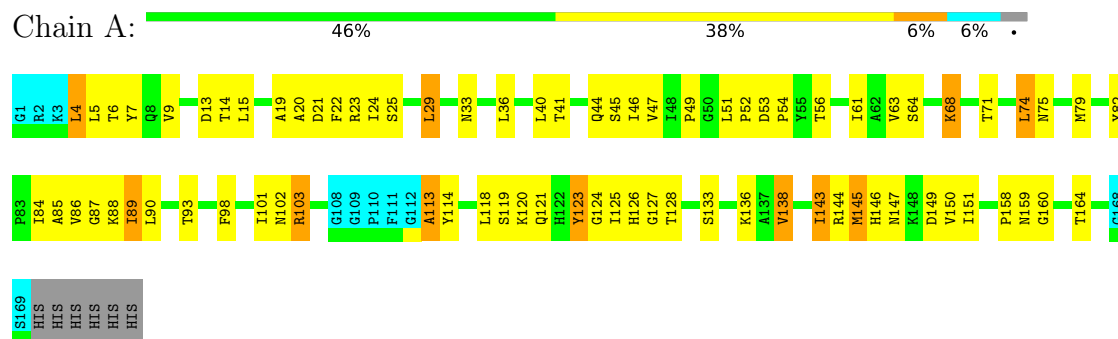
4.2.11 Score per residue for model 11

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



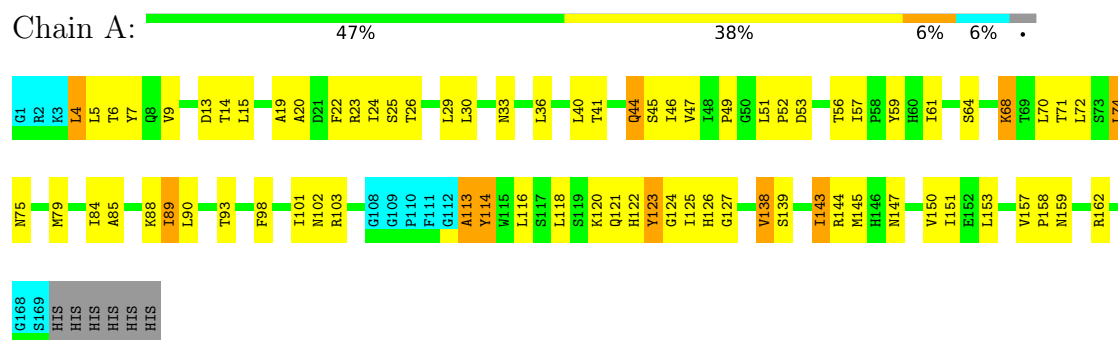
4.2.12 Score per residue for model 12

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



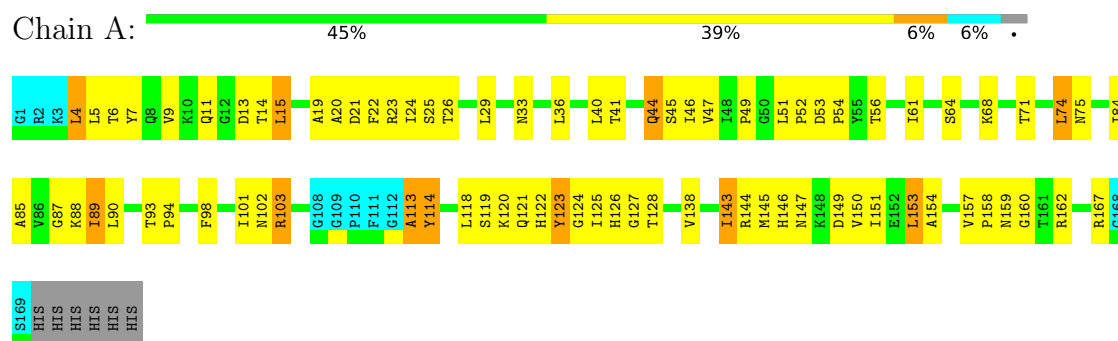
4.2.13 Score per residue for model 13

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



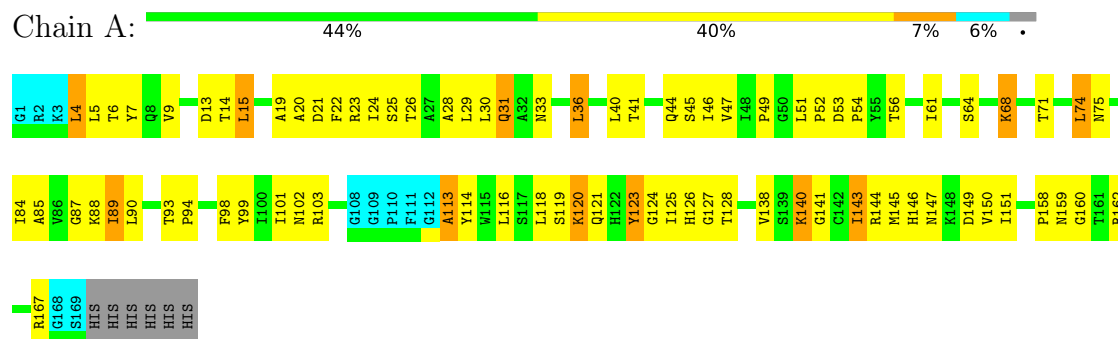
4.2.14 Score per residue for model 14

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



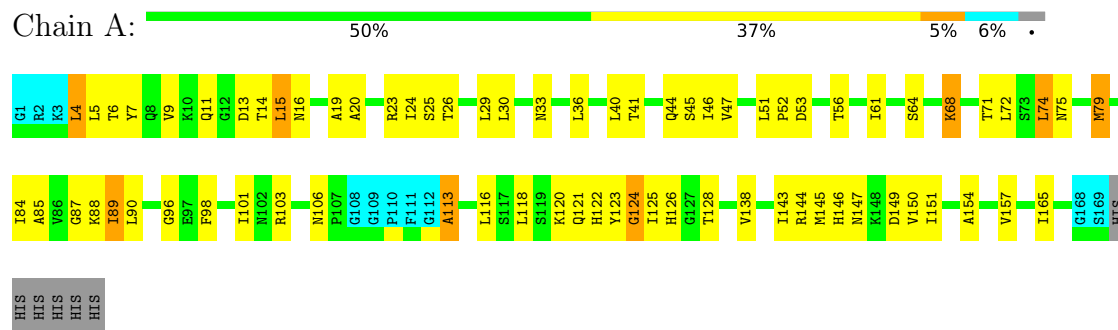
4.2.15 Score per residue for model 15

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



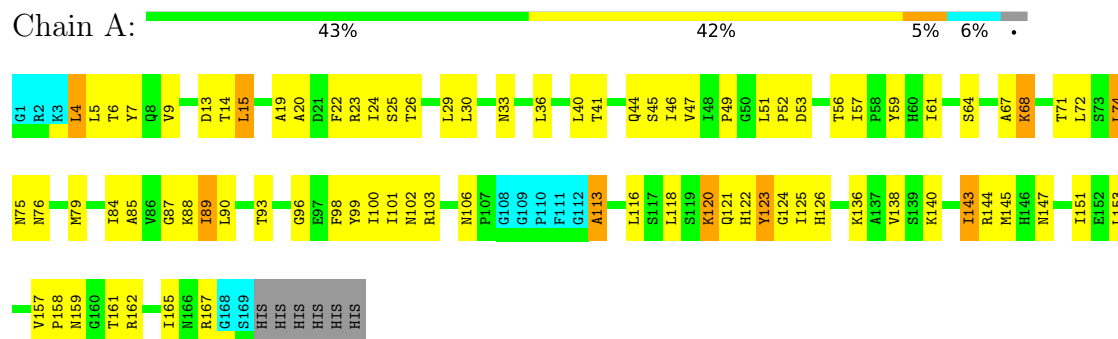
4.2.16 Score per residue for model 16

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



4.2.17 Score per residue for model 17

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



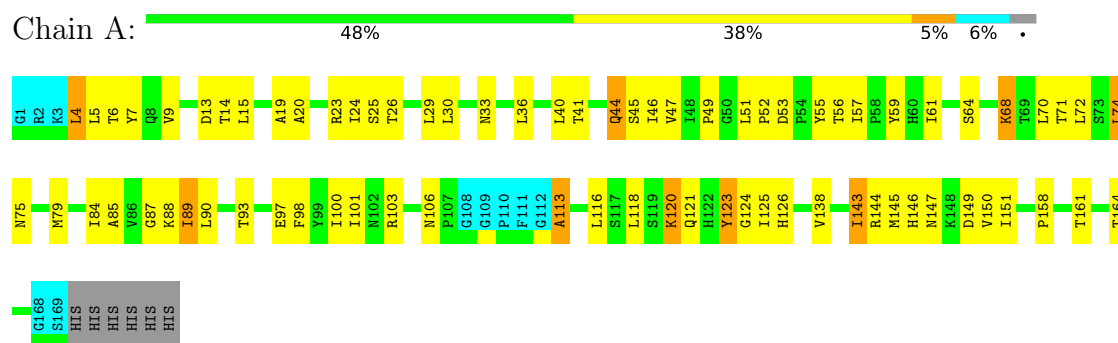
4.2.18 Score per residue for model 18

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



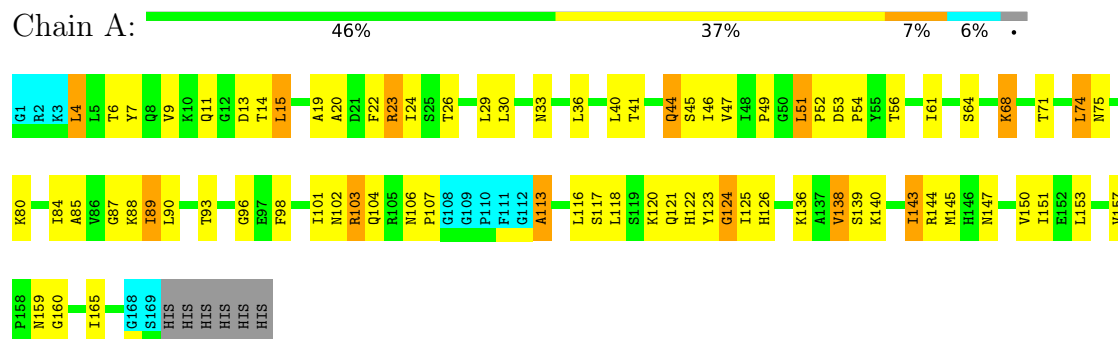
4.2.19 Score per residue for model 19

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



4.2.20 Score per residue for model 20

- Molecule 1: L, D-TRANSPEPTIDASE YKUD



5 Refinement protocol and experimental data overview

The models were refined using the following method: *ARIA*.

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *MINIMAL ENERGY*.

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

Software name	Classification	Version
CNS	refinement	1.2
NMRDraw	structure solution	
NMRPipe	structure solution	
CcpNmr Analysis	structure solution	2.1

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	2093
Number of shifts mapped to atoms	2084
Number of unparsed shifts	0
Number of shifts with mapping errors	9
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	92%

6 Model quality

6.1 Standard geometry

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the (average) root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.68±0.01	0±0/1237 (0.0± 0.0%)	1.03±0.01	2±1/1688 (0.1± 0.0%)
All	All	0.68	0/24718 (0.0%)	1.03	32/33730 (0.1%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.3±0.6
All	All	0	7

There are no bond-length outliers.

All unique angle outliers are listed below. They are sorted according to the Z-score of the worst occurrence in the ensemble.

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	123	TYR	CA-C-N	-8.29	116.46	122.18	4	16
1	A	123	TYR	C-N-CA	-8.29	116.46	122.18	4	16

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	103	ARG	Sidechain	6
1	A	105	ARG	Peptide	1

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1212	1258	1257	55±8
All	All	24240	25160	24454	1106

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 23.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:85:ALA:O	1:A:143:ILE:HA	0.84	1.73	3	19
1:A:123:TYR:O	1:A:143:ILE:HG12	0.83	1.73	20	1
1:A:103:ARG:NH2	1:A:158:PRO:HA	0.83	1.89	9	10
1:A:88:LYS:HG3	1:A:139:SER:O	0.79	1.77	18	2
1:A:89:ILE:HG23	1:A:90:LEU:HD22	0.77	1.57	15	19
1:A:147:ASN:O	1:A:151:ILE:HD13	0.76	1.81	20	18
1:A:102:ASN:HA	1:A:159:ASN:ND2	0.75	1.96	11	10
1:A:113:ALA:HB1	1:A:151:ILE:HD11	0.74	1.58	20	3
1:A:36:LEU:HD21	1:A:46:ILE:HG21	0.73	1.60	1	17
1:A:74:LEU:HD13	1:A:75:ASN:HD22	0.71	1.43	7	10
1:A:118:LEU:HG	1:A:123:TYR:O	0.70	1.85	19	15
1:A:4:LEU:HG	1:A:51:LEU:O	0.69	1.86	20	19
1:A:74:LEU:HB2	1:A:79:MET:SD	0.68	2.28	12	1
1:A:106:ASN:OD1	1:A:113:ALA:HA	0.68	1.89	16	4
1:A:74:LEU:HD13	1:A:75:ASN:ND2	0.67	2.04	12	14
1:A:113:ALA:HB1	1:A:151:ILE:CD1	0.67	2.19	16	3
1:A:120:LYS:HD3	1:A:121:GLN:N	0.66	2.04	14	11
1:A:21:ASP:OD1	1:A:120:LYS:HD3	0.66	1.90	3	1
1:A:126:HIS:CE1	1:A:144:ARG:HG2	0.65	2.26	16	17
1:A:21:ASP:HB3	1:A:119:SER:O	0.64	1.92	8	9
1:A:98:PHE:CE2	1:A:120:LYS:HB2	0.64	2.28	2	17
1:A:146:HIS:HB3	1:A:149:ASP:OD2	0.63	1.93	7	3
1:A:20:ALA:O	1:A:23:ARG:HD2	0.62	1.95	19	19
1:A:70:LEU:HD22	1:A:145:MET:SD	0.61	2.35	11	1
1:A:146:HIS:HB3	1:A:149:ASP:OD1	0.61	1.95	14	8
1:A:61:ILE:HA	1:A:71:THR:O	0.60	1.96	8	20
1:A:120:LYS:HB3	1:A:123:TYR:CG	0.60	2.31	2	17

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:13:ASP:CG	1:A:14:THR:N	0.59	2.60	11	1
1:A:99:TYR:CE1	1:A:162:ARG:HB3	0.59	2.32	6	8
1:A:5:LEU:HB2	1:A:52:PRO:O	0.58	1.99	10	19
1:A:118:LEU:HD23	1:A:124:GLY:HA2	0.57	1.75	17	19
1:A:97:GLU:CB	1:A:164:THR:HG23	0.57	2.29	5	1
1:A:7:TYR:O	1:A:45:SER:HA	0.57	1.99	14	20
1:A:103:ARG:CB	1:A:116:LEU:HD12	0.57	2.29	6	1
1:A:15:LEU:HD11	1:A:26:THR:HB	0.57	1.75	20	4
1:A:80:LYS:HG2	1:A:82:TYR:CZ	0.56	2.33	3	1
1:A:26:THR:O	1:A:30:LEU:HB2	0.56	1.99	16	3
1:A:97:GLU:HB3	1:A:164:THR:HG23	0.56	1.77	5	2
1:A:103:ARG:NH1	1:A:154:ALA:HA	0.56	2.15	16	3
1:A:19:ALA:HA	1:A:24:ILE:CG1	0.56	2.31	5	20
1:A:103:ARG:HB3	1:A:116:LEU:HD23	0.55	1.76	16	11
1:A:33:ASN:HB2	1:A:36:LEU:CD1	0.55	2.32	18	19
1:A:29:LEU:HG	1:A:36:LEU:CD1	0.55	2.31	19	11
1:A:13:ASP:CG	1:A:18:ILE:HD11	0.55	2.26	11	1
1:A:82:TYR:HB3	1:A:145:MET:SD	0.55	2.42	12	1
1:A:89:ILE:HG23	1:A:90:LEU:CD2	0.55	2.32	1	12
1:A:94:PRO:HA	1:A:167:ARG:CG	0.55	2.32	7	4
1:A:54:PRO:HB3	1:A:160:GLY:O	0.54	2.02	11	11
1:A:33:ASN:CB	1:A:36:LEU:HD23	0.54	2.32	15	1
1:A:125:ILE:HA	1:A:143:ILE:O	0.54	2.02	16	16
1:A:15:LEU:HD22	1:A:15:LEU:O	0.54	2.03	14	4
1:A:63:VAL:HG22	1:A:70:LEU:HD12	0.54	1.77	11	1
1:A:41:THR:O	1:A:44:GLN:HB3	0.53	2.03	2	19
1:A:33:ASN:HB3	1:A:36:LEU:HD23	0.53	1.79	15	1
1:A:26:THR:O	1:A:30:LEU:HG	0.53	2.04	15	14
1:A:96:GLY:O	1:A:165:ILE:HB	0.53	2.04	5	2
1:A:15:LEU:CD1	1:A:26:THR:HB	0.52	2.35	14	4
1:A:9:VAL:HB	1:A:41:THR:O	0.52	2.04	15	19
1:A:9:VAL:HG13	1:A:13:ASP:HB2	0.52	1.81	13	18
1:A:51:LEU:HD12	1:A:52:PRO:HD2	0.52	1.81	7	19
1:A:120:LYS:HB3	1:A:123:TYR:CD1	0.52	2.39	20	9
1:A:72:LEU:O	1:A:79:MET:HB2	0.52	2.05	3	7
1:A:114:TYR:CE2	1:A:154:ALA:HB1	0.52	2.40	6	1
1:A:29:LEU:HD22	1:A:36:LEU:CD1	0.52	2.34	11	5
1:A:22:PHE:C	1:A:101:ILE:HD12	0.52	2.30	20	16
1:A:74:LEU:HD22	1:A:75:ASN:N	0.52	2.19	8	20
1:A:103:ARG:HH21	1:A:158:PRO:HA	0.51	1.65	13	8
1:A:4:LEU:HD21	1:A:49:PRO:HA	0.51	1.82	15	14

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:113:ALA:CB	1:A:151:ILE:HD11	0.51	2.36	6	16
1:A:102:ASN:HA	1:A:159:ASN:CG	0.51	2.31	17	3
1:A:100:ILE:HD12	1:A:161:THR:HB	0.51	1.82	17	2
1:A:53:ASP:HB3	1:A:56:THR:HG23	0.51	1.81	19	18
1:A:28:ALA:O	1:A:31:GLN:HB3	0.50	2.06	8	2
1:A:84:ILE:HG22	1:A:145:MET:HG2	0.50	1.83	3	17
1:A:150:VAL:HG13	1:A:151:ILE:HD12	0.50	1.83	2	17
1:A:92:GLN:N	1:A:92:GLN:OE1	0.50	2.45	18	2
1:A:32:ALA:HB1	1:A:47:VAL:HG13	0.50	1.84	1	1
1:A:20:ALA:O	1:A:23:ARG:HD3	0.49	2.07	20	1
1:A:7:TYR:HB3	1:A:46:ILE:HG13	0.49	1.84	9	19
1:A:98:PHE:HD2	1:A:119:SER:HG	0.49	1.49	5	1
1:A:103:ARG:HB3	1:A:116:LEU:HD12	0.49	1.83	6	1
1:A:146:HIS:HB2	1:A:149:ASP:OD2	0.49	2.08	9	4
1:A:153:LEU:O	1:A:157:VAL:HG22	0.49	2.08	20	9
1:A:22:PHE:CE2	1:A:119:SER:HB3	0.49	2.43	8	3
1:A:99:TYR:CD1	1:A:162:ARG:HB3	0.48	2.43	7	3
1:A:64:SER:O	1:A:68:LYS:N	0.48	2.46	14	20
1:A:15:LEU:HD13	1:A:26:THR:HB	0.48	1.85	9	4
1:A:96:GLY:HA3	1:A:165:ILE:HB	0.48	1.86	16	4
1:A:32:ALA:HB1	1:A:47:VAL:CG1	0.48	2.38	1	1
1:A:89:ILE:HG13	1:A:89:ILE:O	0.48	2.08	18	1
1:A:15:LEU:HD23	1:A:29:LEU:HD23	0.48	1.86	8	8
1:A:113:ALA:HB2	1:A:147:ASN:HB3	0.48	1.86	20	3
1:A:33:ASN:OD1	1:A:46:ILE:HA	0.47	2.09	8	7
1:A:89:ILE:HG12	1:A:122:HIS:CB	0.47	2.39	7	5
1:A:122:HIS:O	1:A:142:CYS:HB3	0.47	2.08	11	1
1:A:87:GLY:HA2	1:A:138:VAL:O	0.47	2.09	12	1
1:A:7:TYR:HB3	1:A:46:ILE:CG1	0.47	2.39	8	17
1:A:103:ARG:NH1	1:A:116:LEU:HD22	0.47	2.24	16	1
1:A:142:CYS:O	1:A:144:ARG:HG3	0.47	2.10	18	2
1:A:70:LEU:CD2	1:A:153:LEU:HD11	0.47	2.39	11	1
1:A:89:ILE:O	1:A:89:ILE:HG13	0.46	2.09	6	1
1:A:84:ILE:HG22	1:A:145:MET:CG	0.46	2.40	12	1
1:A:68:LYS:HG2	1:A:136:LYS:C	0.46	2.36	2	3
1:A:23:ARG:HD3	1:A:101:ILE:CD1	0.46	2.41	19	9
1:A:126:HIS:O	1:A:145:MET:N	0.46	2.48	18	11
1:A:60:HIS:CD2	1:A:162:ARG:HE	0.46	2.27	5	1
1:A:147:ASN:HA	1:A:150:VAL:HG12	0.46	1.88	19	2
1:A:90:LEU:HD11	1:A:123:TYR:HA	0.46	1.87	18	7
1:A:103:ARG:HH22	1:A:157:VAL:HG23	0.46	1.71	16	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:103:ARG:HG2	1:A:116:LEU:HD23	0.46	1.86	18	2
1:A:103:ARG:CB	1:A:116:LEU:HD23	0.46	2.40	16	3
1:A:63:VAL:CG2	1:A:70:LEU:HD12	0.46	2.41	11	1
1:A:87:GLY:C	1:A:89:ILE:H	0.45	2.19	19	17
1:A:84:ILE:C	1:A:84:ILE:HD12	0.45	2.37	10	18
1:A:89:ILE:HG12	1:A:122:HIS:HB3	0.45	1.89	2	2
1:A:23:ARG:NH1	1:A:121:GLN:HA	0.45	2.26	11	1
1:A:29:LEU:HD22	1:A:36:LEU:HD11	0.45	1.89	12	3
1:A:53:ASP:OD2	1:A:55:TYR:HB2	0.45	2.12	5	2
1:A:70:LEU:C	1:A:70:LEU:HD23	0.45	2.37	13	7
1:A:116:LEU:HD12	1:A:150:VAL:HG23	0.45	1.89	13	5
1:A:53:ASP:HB3	1:A:56:THR:CG2	0.44	2.42	10	3
1:A:24:ILE:CD1	1:A:29:LEU:HG	0.44	2.42	7	2
1:A:4:LEU:HD13	1:A:49:PRO:HA	0.44	1.89	7	1
1:A:120:LYS:HG2	1:A:123:TYR:CE1	0.44	2.48	8	2
1:A:123:TYR:CD1	1:A:123:TYR:N	0.44	2.86	20	5
1:A:33:ASN:CB	1:A:36:LEU:CD2	0.44	2.96	15	1
1:A:68:LYS:HB2	1:A:68:LYS:NZ	0.44	2.28	13	10
1:A:57:ILE:HG22	1:A:59:TYR:H	0.44	1.71	17	4
1:A:140:LYS:HD3	1:A:141:GLY:N	0.44	2.28	15	1
1:A:114:TYR:CD1	1:A:151:ILE:HG13	0.44	2.48	6	1
1:A:36:LEU:HD21	1:A:46:ILE:CG2	0.44	2.43	15	1
1:A:86:VAL:C	1:A:138:VAL:HG23	0.44	2.38	11	1
1:A:22:PHE:CZ	1:A:119:SER:HB3	0.43	2.48	14	3
1:A:41:THR:HB	1:A:44:GLN:HB2	0.43	1.90	16	3
1:A:15:LEU:HD21	1:A:26:THR:HB	0.43	1.89	6	2
1:A:123:TYR:N	1:A:123:TYR:CD1	0.43	2.87	17	1
1:A:23:ARG:NH2	1:A:121:GLN:HA	0.43	2.27	10	7
1:A:125:ILE:HG23	1:A:145:MET:SD	0.43	2.53	13	5
1:A:31:GLN:CD	1:A:31:GLN:C	0.43	2.87	8	2
1:A:68:LYS:HD2	1:A:86:VAL:CG2	0.43	2.44	8	3
1:A:75:ASN:O	1:A:76:ASN:HB2	0.43	2.13	7	3
1:A:16:ASN:HA	1:A:26:THR:CG2	0.43	2.44	9	3
1:A:4:LEU:CD2	1:A:49:PRO:HA	0.43	2.43	15	2
1:A:149:ASP:O	1:A:153:LEU:HG	0.43	2.13	3	1
1:A:41:THR:HB	1:A:44:GLN:CB	0.43	2.44	19	1
1:A:64:SER:CB	1:A:67:ALA:HB3	0.42	2.44	17	1
1:A:162:ARG:HD3	1:A:162:ARG:H	0.42	1.74	2	3
1:A:63:VAL:N	1:A:164:THR:O	0.42	2.51	12	1
1:A:103:ARG:HH11	1:A:154:ALA:HA	0.42	1.72	16	1
1:A:9:VAL:HG23	1:A:44:GLN:O	0.42	2.14	17	9

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:94:PRO:HA	1:A:167:ARG:HG3	0.42	1.90	3	4
1:A:4:LEU:HA	1:A:52:PRO:HA	0.42	1.90	10	6
1:A:147:ASN:O	1:A:151:ILE:HD12	0.42	2.15	17	1
1:A:115:TRP:CD1	1:A:117:SER:HG	0.42	2.32	6	1
1:A:133:SER:HA	1:A:136:LYS:HD2	0.42	1.91	12	1
1:A:104:GLN:NE2	1:A:107:PRO:HB3	0.42	2.29	20	1
1:A:58:PRO:HB2	1:A:74:LEU:CD2	0.42	2.45	5	1
1:A:4:LEU:CD1	1:A:49:PRO:HA	0.42	2.45	7	1
1:A:19:ALA:HA	1:A:24:ILE:HG13	0.42	1.91	19	8
1:A:87:GLY:C	1:A:89:ILE:N	0.42	2.78	19	4
1:A:96:GLY:CA	1:A:165:ILE:HB	0.42	2.44	16	1
1:A:30:LEU:CD2	1:A:36:LEU:HB2	0.42	2.45	1	1
1:A:82:TYR:CD2	1:A:149:ASP:HB3	0.42	2.50	6	2
1:A:11:GLN:HA	1:A:42:ALA:HB2	0.42	1.92	11	1
1:A:74:LEU:C	1:A:74:LEU:HD13	0.41	2.40	14	5
1:A:5:LEU:HD11	1:A:99:TYR:CG	0.41	2.49	17	2
1:A:29:LEU:HD11	1:A:46:ILE:HD12	0.41	1.91	15	1
1:A:80:LYS:HG2	1:A:82:TYR:OH	0.41	2.15	3	1
1:A:138:VAL:CG2	1:A:139:SER:N	0.41	2.83	18	3
1:A:51:LEU:HD23	1:A:52:PRO:HD2	0.41	1.91	20	1
1:A:90:LEU:HG	1:A:143:ILE:HD11	0.41	1.91	20	1
1:A:136:LYS:CG	1:A:137:ALA:N	0.41	2.83	5	1
1:A:36:LEU:CD2	1:A:36:LEU:N	0.41	2.83	15	1
1:A:51:LEU:HD13	1:A:101:ILE:O	0.41	2.15	16	1
1:A:23:ARG:CZ	1:A:121:GLN:HA	0.41	2.45	11	1
1:A:103:ARG:HG3	1:A:159:ASN:OD1	0.41	2.15	6	1
1:A:101:ILE:HG13	1:A:102:ASN:ND2	0.41	2.31	17	1
1:A:101:ILE:HG12	1:A:117:SER:C	0.41	2.41	20	2
1:A:103:ARG:HH22	1:A:158:PRO:HA	0.41	1.73	14	1
1:A:96:GLY:HA3	1:A:165:ILE:O	0.41	2.16	16	1
1:A:65:ILE:HB	1:A:167:ARG:HA	0.41	1.92	1	1
1:A:120:LYS:HD3	1:A:120:LYS:C	0.41	2.41	15	1
1:A:124:GLY:H	1:A:142:CYS:HB2	0.41	1.76	18	1
1:A:138:VAL:HG22	1:A:139:SER:N	0.41	2.30	18	1
1:A:74:LEU:HD22	1:A:75:ASN:H	0.41	1.75	10	1
1:A:74:LEU:HD13	1:A:74:LEU:C	0.41	2.41	20	1
1:A:120:LYS:HG2	1:A:123:TYR:CD1	0.40	2.51	3	1
1:A:70:LEU:HD23	1:A:70:LEU:C	0.40	2.42	1	3
1:A:105:ARG:HG3	1:A:114:TYR:CE1	0.40	2.51	6	1
1:A:89:ILE:HG12	1:A:122:HIS:HB2	0.40	1.93	7	1
1:A:30:LEU:HD23	1:A:36:LEU:HB2	0.40	1.93	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:84:ILE:HG22	1:A:145:MET:HG3	0.40	1.93	12	1
1:A:82:TYR:CE1	1:A:153:LEU:HD21	0.40	2.51	6	1
1:A:68:LYS:HE2	1:A:136:LYS:C	0.40	2.42	8	1

6.3 Torsion angles [i](#)

6.3.1 Protein backbone [i](#)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	159/175 (91%)	143±5 (90±3%)	12±1 (8±1%)	3±0 (2±0%)	8	49
All	All	3153/3500 (90%)	2851 (90%)	239 (8%)	63 (2%)	8	49

All 5 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	88	LYS	20
1	A	113	ALA	20
1	A	143	ILE	17
1	A	124	GLY	4
1	A	13	ASP	2

6.3.2 Protein sidechains [i](#)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	133/144 (92%)	111±25 (83±19%)	15±4 (12±3%)	8	50
All	All	2524/2880 (88%)	2217 (88%)	307 (12%)	7	48

All 38 unique residues with a non-rotameric sidechain are listed below. They are sorted by the

frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	6	THR	19
1	A	14	THR	19
1	A	40	LEU	19
1	A	74	LEU	19
1	A	89	ILE	19
1	A	138	VAL	19
1	A	4	LEU	18
1	A	15	LEU	18
1	A	68	LYS	18
1	A	93	THR	18
1	A	47	VAL	18
1	A	25	SER	17
1	A	44	GLN	10
1	A	114	TYR	10
1	A	122	HIS	8
1	A	103	ARG	7
1	A	11	GLN	7
1	A	29	LEU	6
1	A	120	LYS	6
1	A	140	LYS	5
1	A	119	SER	5
1	A	162	ARG	4
1	A	31	GLN	3
1	A	46	ILE	1
1	A	72	LEU	1
1	A	116	LEU	1
1	A	148	LYS	1
1	A	130	ASN	1
1	A	159	ASN	1
1	A	145	MET	1
1	A	153	LEU	1
1	A	36	LEU	1
1	A	79	MET	1
1	A	167	ARG	1
1	A	23	ARG	1
1	A	51	LEU	1
1	A	80	LYS	1
1	A	136	LYS	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

6.4 Non-standard residues in protein, DNA, RNA chains [i](#)

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

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 92% for the well-defined parts and 92% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list*

7.1.1 Bookkeeping

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

Total number of shifts	2093
Number of shifts mapped to atoms	2084
Number of unparsed shifts	0
Number of shifts with mapping errors	9
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

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

- No matching atom found in the structure. All 9 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	170	HIS	C	173.981	.	1
1	A	170	HIS	CA	55.85	.	1
1	A	171	HIS	H	8.084	0.095	1
1	A	171	HIS	C	174.055	.	1
1	A	171	HIS	CA	57.293	.	1
1	A	171	HIS	CB	30.293	.	1
1	A	171	HIS	N	125.398	0.045	1
1	A	172	HIS	H	7.958	0.006	1
1	A	172	HIS	N	125.204	0.004	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	171	-0.09 ± 0.12	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	152	-0.06 ± 0.13	None needed (< 0.5 ppm)
$^{13}\text{C}'$	169	0.19 ± 0.10	None needed (< 0.5 ppm)
^{15}N	159	0.21 ± 0.27	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 92%, i.e. 1999 atoms were assigned a chemical shift out of a possible 2165. 0 out of 24 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	785/787 (100%)	319/320 (100%)	317/318 (100%)	149/149 (100%)
Sidechain	1109/1251 (89%)	760/824 (92%)	330/379 (87%)	19/48 (40%)
Aromatic	105/127 (83%)	50/60 (83%)	46/58 (79%)	9/9 (100%)
Overall	1999/2165 (92%)	1129/1204 (94%)	693/755 (92%)	177/206 (86%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 92%, i.e. 2084 atoms were assigned a chemical shift out of a possible 2274. 0 out of 24 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	834/840 (99%)	341/344 (99%)	336/338 (99%)	157/158 (99%)
Sidechain	1135/1297 (88%)	776/853 (91%)	340/392 (87%)	19/52 (37%)
Aromatic	115/137 (84%)	55/65 (85%)	51/63 (81%)	9/9 (100%)
Overall	2084/2274 (92%)	1172/1262 (93%)	727/793 (92%)	185/219 (84%)

7.1.4 Statistically unusual chemical shifts [i](#)

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

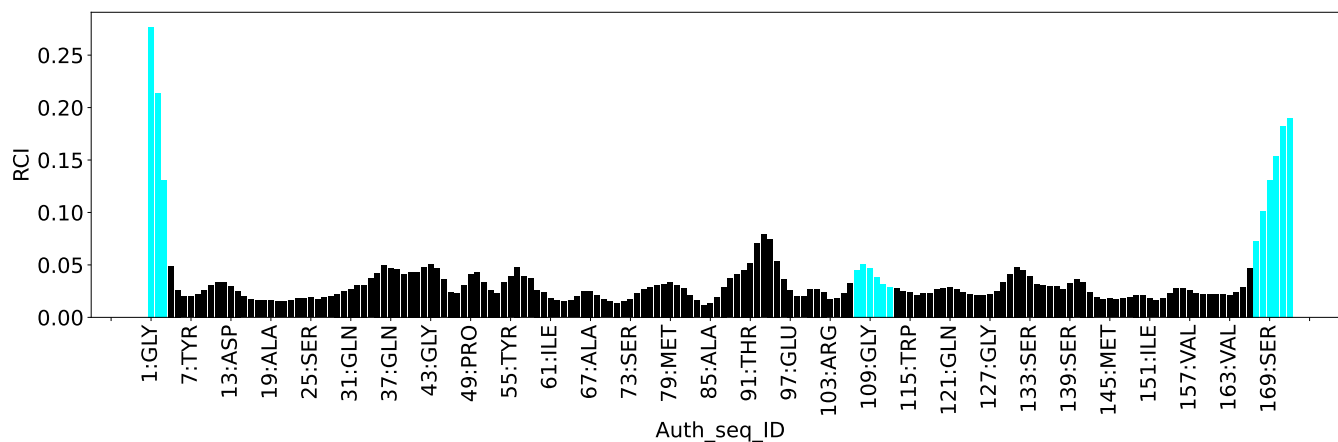
List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	142	CYS	H	12.39	5.02 – 11.74	6.0

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

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication

of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition. If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	4901
Intra-residue ($ i-j =0$)	3458
Sequential ($ i-j =1$)	1205
Medium range ($ i-j >1$ and $ i-j <5$)	29
Long range ($ i-j \geq 5$)	209
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	28.0
Number of long range restraints per residue ¹	1.2

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	152.8	0.2
0.2-0.5 (Medium)	533.8	0.5
>0.5 (Large)	3037.3	29.31

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

Dihedral-angle violations less than 1° are not included in the calculation. There are no dihedral-angle violations

9 Distance violation analysis ⓘ

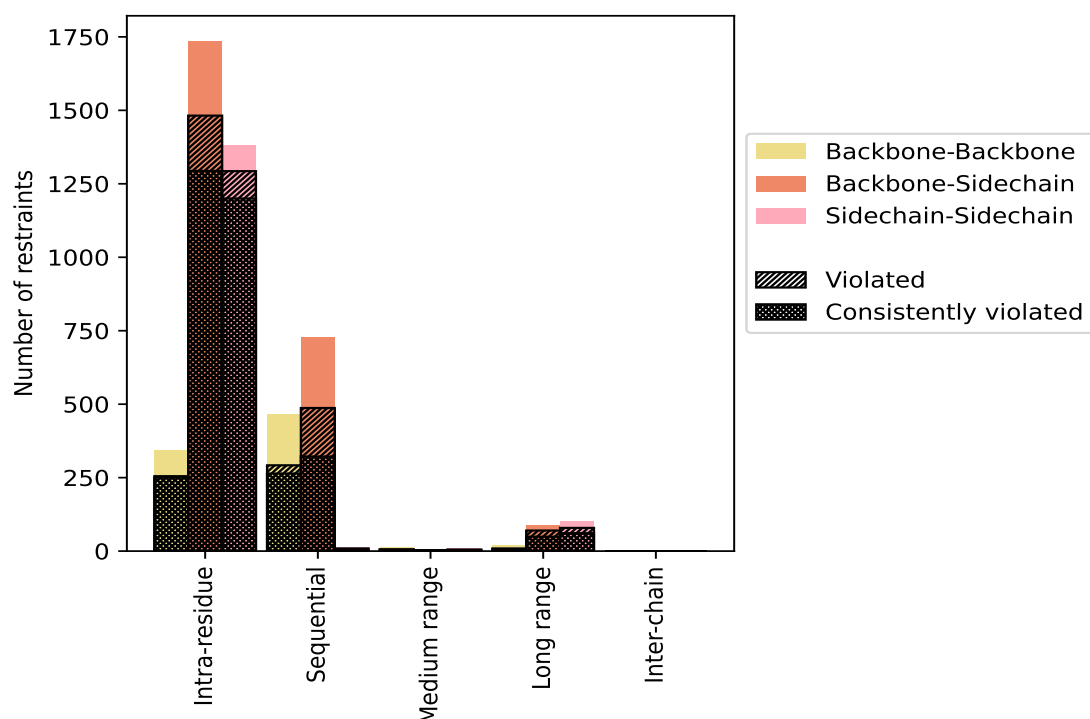
9.1 Summary of distance violations ⓘ

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

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	3458	70.6	3030	87.6	61.8	2744	79.4	56.0
Backbone-Backbone	344	7.0	255	74.1	5.2	250	72.7	5.1
Backbone-Sidechain	1735	35.4	1482	85.4	30.2	1294	74.6	26.4
Sidechain-Sidechain	1379	28.1	1293	93.8	26.4	1200	87.0	24.5
Sequential (i-j =1)	1205	24.6	788	65.4	16.1	589	48.9	12.0
Backbone-Backbone	466	9.5	292	62.7	6.0	264	56.7	5.4
Backbone-Sidechain	728	14.9	487	66.9	9.9	322	44.2	6.6
Sidechain-Sidechain	11	0.2	9	81.8	0.2	3	27.3	0.1
Medium range (i-j >1 & i-j <5)	29	0.6	14	48.3	0.3	12	41.4	0.2
Backbone-Backbone	13	0.3	6	46.2	0.1	5	38.5	0.1
Backbone-Sidechain	7	0.1	3	42.9	0.1	3	42.9	0.1
Sidechain-Sidechain	9	0.2	5	55.6	0.1	4	44.4	0.1
Long range (i-j ≥5)	209	4.3	158	75.6	3.2	117	56.0	2.4
Backbone-Backbone	21	0.4	9	42.9	0.2	7	33.3	0.1
Backbone-Sidechain	88	1.8	70	79.5	1.4	49	55.7	1.0
Sidechain-Sidechain	100	2.0	79	79.0	1.6	61	61.0	1.2
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	4901	100.0	3990	81.4	81.4	3462	70.6	70.6
Backbone-Backbone	844	17.2	562	66.6	11.5	526	62.3	10.7
Backbone-Sidechain	2558	52.2	2042	79.8	41.7	1668	65.2	34.0
Sidechain-Sidechain	1499	30.6	1386	92.5	28.3	1268	84.6	25.9

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

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



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

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	2890	680	14	138	0	3722	1.2	28.4	0.84	1.15
2	2905	685	14	136	0	3740	1.2	28.01	0.84	1.14
3	2905	677	13	139	0	3734	1.2	28.1	0.84	1.14
4	2898	682	13	138	0	3731	1.2	28.34	0.84	1.15
5	2898	679	13	138	0	3728	1.2	28.24	0.84	1.14
6	2900	676	13	138	0	3727	1.2	28.03	0.84	1.14
7	2903	684	14	137	0	3738	1.2	28.72	0.84	1.14
8	2891	681	13	136	0	3721	1.2	28.13	0.84	1.14
9	2906	682	13	131	0	3732	1.2	28.98	0.85	1.15
10	2901	677	14	137	0	3729	1.2	28.03	0.84	1.14

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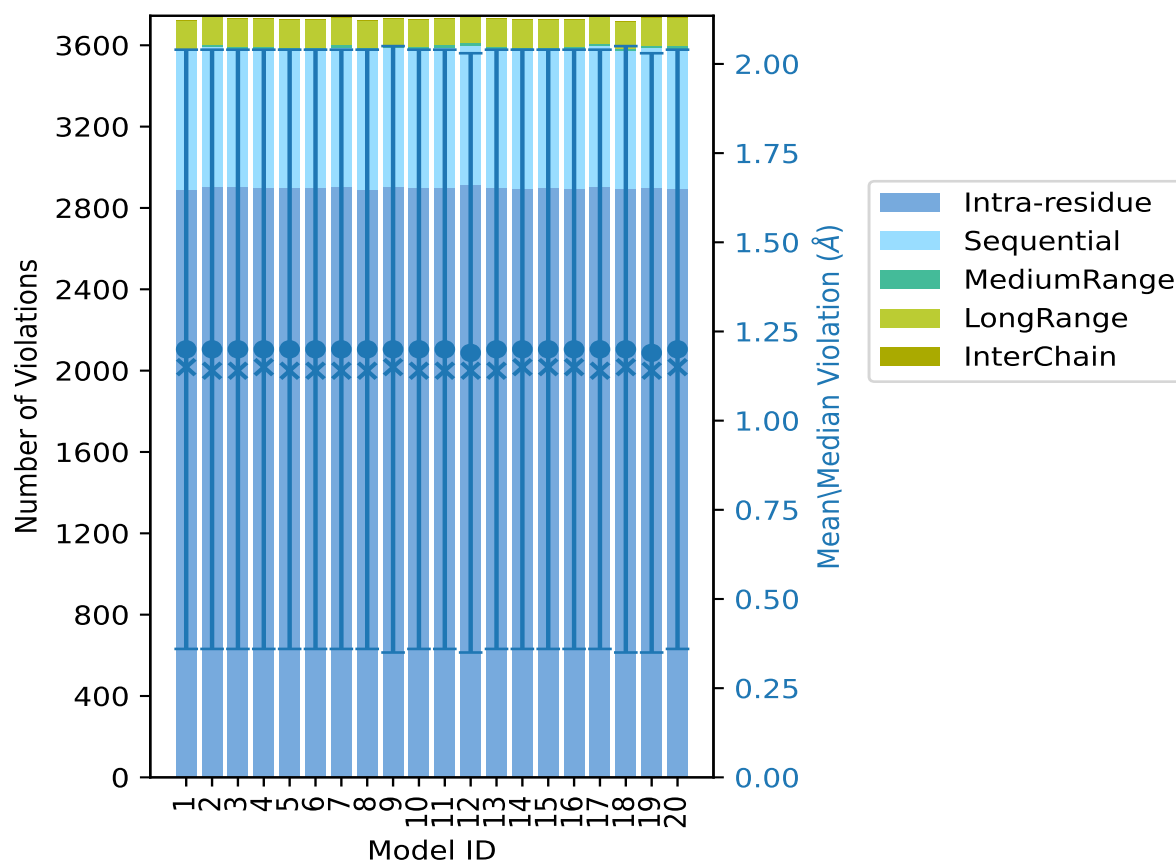
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	2898	688	14	132	0	3732	1.2	27.58	0.84	1.14
12	2914	684	14	133	0	3745	1.19	28.84	0.84	1.14
13	2901	679	13	138	0	3731	1.2	27.66	0.84	1.14
14	2896	681	14	138	0	3729	1.2	28.05	0.84	1.15
15	2898	679	13	135	0	3725	1.2	28.57	0.84	1.15
16	2894	683	14	136	0	3727	1.2	28.13	0.84	1.15
17	2906	689	13	137	0	3745	1.2	27.78	0.84	1.14
18	2897	674	14	134	0	3719	1.2	29.31	0.85	1.15
19	2899	686	14	137	0	3736	1.19	28.1	0.84	1.14
20	2893	689	14	140	0	3736	1.2	27.97	0.84	1.15

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

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

9.3 Distance violation statistics for the ensemble

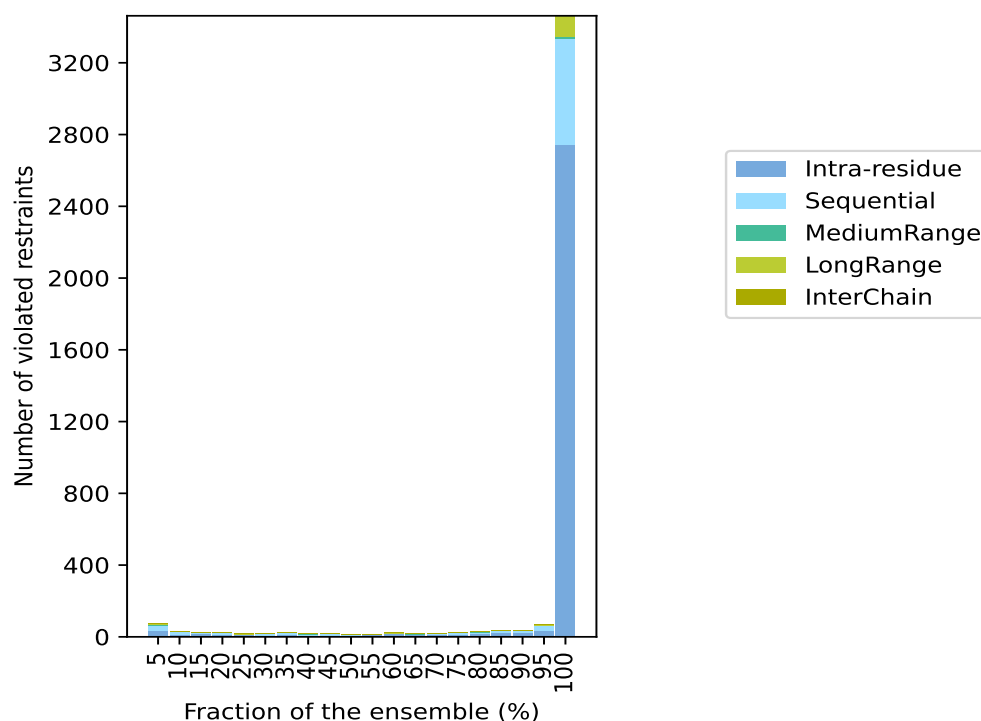
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 911(IR:428, SQ:417, MR:15, LR:51, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
32	33	0	8	0	73	1	5.0
13	17	0	2	0	32	2	10.0
17	8	0	1	0	26	3	15.0
10	13	0	3	0	26	4	20.0
10	4	0	2	0	16	5	25.0
8	8	0	2	0	18	6	30.0
11	11	0	0	0	22	7	35.0
8	7	0	2	0	17	8	40.0
8	9	0	2	0	19	9	45.0
7	7	0	1	0	15	10	50.0
8	5	0	0	0	13	11	55.0
17	3	0	2	0	22	12	60.0
12	3	1	2	0	18	13	65.0
13	5	0	2	0	20	14	70.0
13	9	0	1	0	23	15	75.0
19	8	0	2	0	29	16	80.0
22	11	0	0	0	33	17	85.0
22	12	1	1	0	36	18	90.0
36	26	0	8	0	70	19	95.0
2744	589	12	117	0	3462	20	100.0

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

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

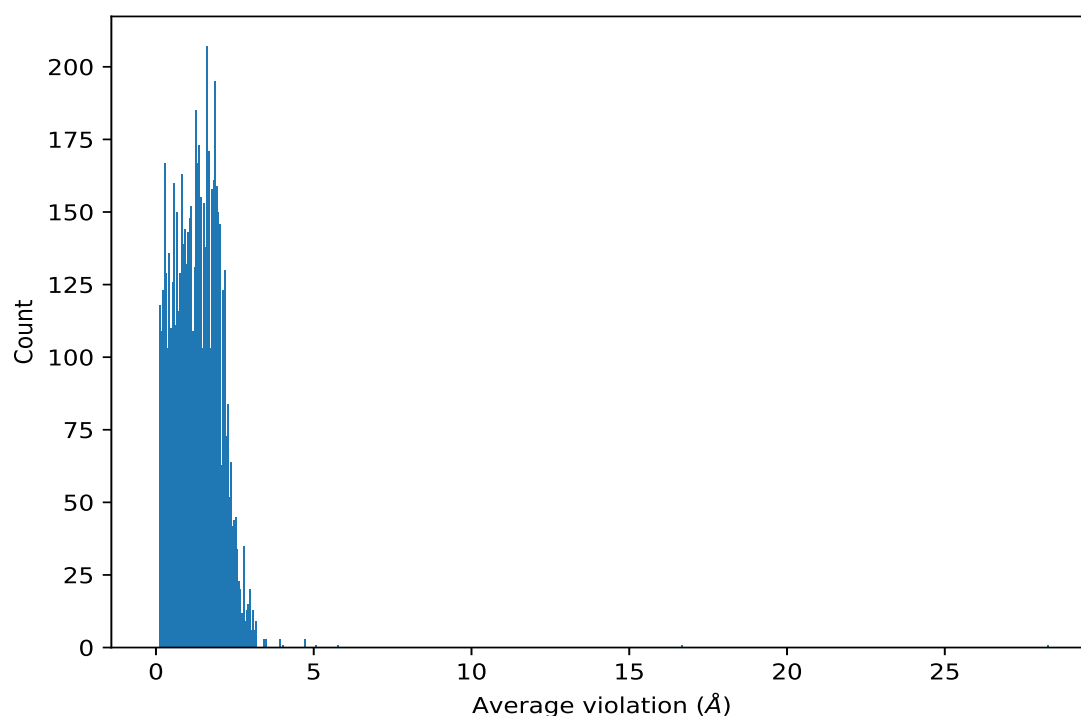
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	20	28.25	0.43	28.12
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	20	16.66	0.3	16.61
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	20	5.75	0.1	5.76
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	20	5.06	0.16	5.06
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	20	4.72	0.03	4.73
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	20	4.72	0.03	4.73
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	20	4.72	0.03	4.73
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	20	4.04	0.07	4.04
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	20	3.93	0.51	4.05
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	20	3.93	0.51	4.05
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	20	3.93	0.51	4.05
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	20	3.49	0.02	3.49
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	20	3.49	0.02	3.49
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	20	3.49	0.02	3.49
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	20	3.44	0.01	3.44
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	20	3.44	0.01	3.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	20	3.44	0.01	3.44
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	20	3.18	0.0	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	20	3.18	0.0	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	20	3.18	0.0	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	20	3.18	0.0	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	20	3.18	0.0	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	20	3.18	0.0	3.18
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	20	3.16	0.03	3.16
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	20	3.16	0.03	3.16
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	20	3.16	0.03	3.16
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	20	3.13	0.14	3.16
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	20	3.13	0.14	3.16
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	20	3.13	0.14	3.16
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	20	3.1	0.05	3.12
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	20	3.1	0.05	3.12
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	20	3.1	0.05	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	20	3.09	0.03	3.1
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	20	3.09	0.03	3.1
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	20	3.09	0.03	3.1
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	20	3.09	0.03	3.1
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	20	3.09	0.03	3.1
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	20	3.09	0.03	3.1
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	20	3.09	0.03	3.1
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	20	3.09	0.03	3.1
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	20	3.09	0.03	3.1
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	20	3.08	0.03	3.09
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	20	3.08	0.03	3.09
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	20	3.08	0.03	3.09
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	20	3.08	0.06	3.08
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	20	3.04	0.11	3.0
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	20	3.04	0.11	3.0
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	20	3.04	0.11	3.0
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	20	3.01	0.04	3.0
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	20	3.01	0.04	3.0
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	20	3.01	0.04	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	20	2.99	0.56	3.09
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	20	2.99	0.56	3.09
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	20	2.99	0.56	3.09
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	20	2.98	0.04	2.97
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	20	2.98	0.04	2.97
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	20	2.98	0.04	2.97
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	20	2.98	0.15	2.99

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	20	2.97	0.02	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	20	2.97	0.02	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	20	2.97	0.02	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	20	2.97	0.02	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	20	2.97	0.02	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	20	2.97	0.02	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	20	2.97	0.02	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	20	2.97	0.02	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	20	2.97	0.02	2.96
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	20	2.96	0.32	3.1
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	20	2.96	0.0	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	20	2.96	0.0	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	20	2.96	0.0	2.96
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	20	2.92	0.04	2.92
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	20	2.92	0.04	2.92
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	20	2.92	0.04	2.92
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	20	2.92	0.01	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	20	2.92	0.01	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	20	2.92	0.01	2.92
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	20	2.91	0.01	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	20	2.91	0.01	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	20	2.91	0.01	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	20	2.91	0.01	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	20	2.91	0.01	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	20	2.91	0.01	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	20	2.91	0.01	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	20	2.91	0.01	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	20	2.91	0.01	2.91
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	20	2.87	0.0	2.87
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	20	2.85	0.03	2.86
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	20	2.85	0.03	2.86
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	20	2.85	0.03	2.86
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	20	2.85	0.03	2.86
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	20	2.85	0.03	2.86
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	20	2.85	0.03	2.86
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	20	2.85	0.03	2.86
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	20	2.85	0.03	2.86
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	20	2.85	0.03	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	20	2.85	0.03	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	20	2.85	0.03	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	20	2.85	0.03	2.86
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	20	2.83	0.04	2.82

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	20	2.83	0.04	2.82
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	20	2.83	0.04	2.82
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	20	2.82	0.34	2.91
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	20	2.82	0.34	2.91
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	20	2.82	0.34	2.91
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	20	2.82	0.0	2.82
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	20	2.82	0.02	2.82
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	20	2.81	0.0	2.81
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	20	2.8	0.05	2.8
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	20	2.8	0.05	2.8
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	20	2.8	0.05	2.8
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	20	2.79	0.04	2.78
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	20	2.79	0.04	2.78
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	20	2.79	0.04	2.78
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	20	2.78	0.53	2.94
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	20	2.78	0.53	2.94
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	20	2.78	0.53	2.94
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	20	2.76	0.38	2.84
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	20	2.76	0.38	2.84
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	20	2.76	0.38	2.84
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	20	2.76	0.02	2.76
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	20	2.76	0.02	2.76
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	20	2.76	0.02	2.76
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	20	2.75	0.05	2.76
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	20	2.75	0.0	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	20	2.75	0.01	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	20	2.75	0.01	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	20	2.75	0.01	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	20	2.75	0.01	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	20	2.75	0.01	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	20	2.75	0.01	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	20	2.75	0.01	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	20	2.75	0.01	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	20	2.75	0.01	2.75
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	20	2.75	0.33	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	20	2.75	0.33	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	20	2.75	0.33	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	20	2.75	0.33	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	20	2.75	0.33	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	20	2.75	0.33	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	20	2.75	0.33	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	20	2.75	0.33	2.82

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	20	2.75	0.33	2.82
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	20	2.73	0.15	2.74
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	20	2.73	0.15	2.74
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	20	2.73	0.15	2.74
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	20	2.71	0.0	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	20	2.71	0.0	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	20	2.71	0.0	2.71
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	20	2.7	0.03	2.7
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	20	2.7	0.03	2.7
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	20	2.7	0.03	2.7
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	20	2.7	0.34	2.77
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	20	2.7	0.34	2.77
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	20	2.7	0.34	2.77
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	20	2.69	0.14	2.7
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	20	2.68	0.2	2.64
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	20	2.68	0.2	2.64
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	20	2.68	0.2	2.64
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	20	2.68	0.43	2.78
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	20	2.68	0.43	2.78
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	20	2.68	0.43	2.78
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	20	2.68	0.02	2.68
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	20	2.68	0.02	2.68
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	20	2.68	0.02	2.68
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	20	2.67	0.02	2.68
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	20	2.67	0.04	2.68
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	20	2.67	0.04	2.68
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	20	2.67	0.04	2.68
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	20	2.67	0.07	2.68
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	20	2.67	0.07	2.68
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	20	2.67	0.07	2.68
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	20	2.66	0.38	2.74
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	20	2.66	0.38	2.74
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	20	2.66	0.38	2.74
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	20	2.65	0.0	2.65
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	20	2.65	0.06	2.62
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	20	2.65	0.06	2.62
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	20	2.65	0.06	2.62
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	20	2.64	0.0	2.64
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	20	2.64	0.06	2.62
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	20	2.64	0.06	2.62
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	20	2.64	0.06	2.62
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	20	2.63	0.06	2.64

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	20	2.63	0.06	2.64
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	20	2.63	0.06	2.64
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	20	2.63	0.1	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	20	2.62	0.0	2.62
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	20	2.62	0.01	2.62
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	20	2.61	0.21	2.71
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	20	2.61	0.21	2.71
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	20	2.61	0.21	2.71
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	20	2.61	0.0	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	20	2.61	0.0	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	20	2.61	0.0	2.61
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	20	2.6	0.03	2.6
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	20	2.6	0.03	2.6
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	20	2.6	0.03	2.6
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	20	2.59	0.1	2.54
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	20	2.59	0.05	2.59
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	20	2.59	0.05	2.59
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	20	2.59	0.05	2.59
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	20	2.58	0.04	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	20	2.58	0.01	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	20	2.58	0.01	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	20	2.58	0.01	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	20	2.58	0.01	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	20	2.58	0.01	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	20	2.58	0.01	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	20	2.58	0.01	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	20	2.58	0.01	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	20	2.58	0.01	2.58
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	20	2.58	0.23	2.61
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	20	2.58	0.23	2.61
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	20	2.58	0.23	2.61
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	20	2.58	0.03	2.58
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	20	2.58	0.05	2.58
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	20	2.58	0.05	2.58
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	20	2.58	0.05	2.58
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	20	2.57	0.04	2.58
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	20	2.57	0.04	2.58
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	20	2.57	0.04	2.58
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	20	2.57	0.01	2.57
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	20	2.57	0.01	2.57
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	20	2.57	0.01	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	20	2.57	0.0	2.57

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	20	2.57	0.0	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	20	2.57	0.0	2.57
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	20	2.57	0.22	2.64
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	20	2.56	0.02	2.56
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	20	2.56	0.02	2.56
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	20	2.56	0.02	2.56
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	20	2.55	0.07	2.56
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	20	2.55	0.22	2.6
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	20	2.55	0.22	2.6
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	20	2.55	0.22	2.6
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	20	2.55	0.01	2.55
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	20	2.55	0.01	2.55
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	20	2.55	0.01	2.55
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	20	2.55	0.01	2.55
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	20	2.55	0.01	2.55
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	20	2.55	0.01	2.55
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	20	2.54	0.22	2.58
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	20	2.54	0.0	2.54
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	20	2.53	0.01	2.53
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	20	2.53	0.01	2.53
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	20	2.53	0.01	2.53
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	20	2.53	0.3	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	20	2.53	0.3	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	20	2.53	0.3	2.67
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	20	2.53	0.02	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	20	2.53	0.02	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	20	2.53	0.02	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	20	2.53	0.02	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	20	2.53	0.02	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	20	2.53	0.02	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	20	2.53	0.02	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	20	2.53	0.02	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	20	2.53	0.02	2.52
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	20	2.53	0.06	2.52
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	20	2.53	0.06	2.52
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	20	2.53	0.06	2.52
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	20	2.52	0.01	2.53
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	20	2.52	0.01	2.53
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	20	2.52	0.01	2.53
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	20	2.52	0.16	2.54
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	20	2.52	0.16	2.54
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	20	2.52	0.16	2.54

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	20	2.52	0.0	2.52
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	20	2.51	0.0	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	20	2.51	0.0	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	20	2.51	0.0	2.51
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	20	2.5	0.14	2.58
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	20	2.5	0.14	2.58
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	20	2.5	0.03	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	20	2.5	0.03	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	20	2.5	0.03	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	20	2.49	0.01	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	20	2.49	0.01	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	20	2.49	0.01	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	20	2.49	0.01	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	20	2.49	0.01	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	20	2.49	0.01	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	20	2.49	0.01	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	20	2.49	0.01	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	20	2.49	0.01	2.49
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	20	2.48	0.02	2.48
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	20	2.48	0.08	2.46
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	20	2.48	0.08	2.46
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	20	2.48	0.08	2.46
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	20	2.48	0.0	2.48
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	20	2.48	0.51	2.6
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	20	2.48	0.51	2.6
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	20	2.48	0.51	2.6
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	20	2.47	0.02	2.47
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	20	2.47	0.11	2.5
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	20	2.46	0.11	2.53
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	20	2.46	0.11	2.53
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	20	2.46	0.11	2.53
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	20	2.46	0.02	2.46
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	20	2.46	0.02	2.46
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	20	2.46	0.02	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	20	2.46	0.02	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	20	2.46	0.02	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	20	2.46	0.02	2.46
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	20	2.46	0.09	2.48
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	20	2.46	0.0	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	20	2.46	0.0	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	20	2.46	0.0	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	20	2.46	0.0	2.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	20	2.46	0.0	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	20	2.46	0.0	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	20	2.46	0.0	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	20	2.46	0.0	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	20	2.46	0.0	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	20	2.46	0.0	2.46
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	20	2.46	0.07	2.44
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	20	2.46	0.0	2.46
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	20	2.45	0.52	2.56
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	20	2.45	0.52	2.56
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	20	2.45	0.52	2.56
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	20	2.44	0.16	2.46
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	20	2.44	0.16	2.46
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	20	2.44	0.16	2.46
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	20	2.44	0.01	2.44
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	20	2.44	0.26	2.33
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	20	2.44	0.26	2.33
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	20	2.44	0.26	2.33
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	20	2.43	0.05	2.43
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	20	2.43	0.05	2.43
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	20	2.43	0.05	2.43
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	20	2.43	0.14	2.46
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	20	2.43	0.14	2.46
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	20	2.43	0.14	2.46
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	20	2.42	0.01	2.43
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	20	2.42	0.01	2.43
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	20	2.42	0.01	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	20	2.42	0.01	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	20	2.42	0.01	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	20	2.42	0.01	2.42
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	20	2.42	0.07	2.39
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	20	2.42	0.0	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	20	2.42	0.0	2.42
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	20	2.42	0.44	2.66
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	20	2.42	0.44	2.66
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	20	2.41	0.02	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	20	2.41	0.02	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	20	2.41	0.02	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	20	2.41	0.02	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	20	2.41	0.0	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	20	2.41	0.0	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	20	2.41	0.0	2.41

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	20	2.41	0.0	2.41
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	20	2.41	0.01	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	20	2.41	0.01	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	20	2.41	0.01	2.4
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	20	2.41	0.02	2.4
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	20	2.41	0.02	2.4
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	20	2.41	0.02	2.4
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	20	2.41	0.02	2.4
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	20	2.41	0.01	2.41
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	20	2.41	0.01	2.41
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	20	2.41	0.01	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	20	2.4	0.02	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	20	2.4	0.02	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	20	2.4	0.02	2.41
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	20	2.4	0.01	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	20	2.4	0.01	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	20	2.4	0.01	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	20	2.4	0.0	2.4
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	20	2.4	0.48	2.5
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	20	2.4	0.48	2.5
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	20	2.4	0.48	2.5
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	20	2.39	0.17	2.46
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	20	2.39	0.0	2.39
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	20	2.39	0.01	2.39
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	20	2.39	0.01	2.39
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	20	2.39	0.01	2.39
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	20	2.39	0.14	2.33
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	20	2.39	0.73	1.87
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	20	2.39	0.73	1.87
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	20	2.39	0.73	1.87
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	20	2.38	0.01	2.38
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	20	2.38	0.01	2.38
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	20	2.38	0.04	2.38
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	20	2.38	0.17	2.42
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	20	2.38	0.17	2.42
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	20	2.38	0.17	2.42
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	20	2.37	0.05	2.38
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	20	2.37	0.0	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	20	2.37	0.01	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	20	2.37	0.01	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	20	2.37	0.01	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	20	2.37	0.01	2.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	20	2.37	0.01	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	20	2.37	0.01	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	20	2.37	0.01	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	20	2.37	0.01	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	20	2.37	0.01	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	20	2.37	0.0	2.37
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	20	2.37	0.07	2.38
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	20	2.36	0.04	2.36
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	20	2.36	0.04	2.36
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	20	2.36	0.04	2.36
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	20	2.36	0.04	2.36
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	20	2.36	0.04	2.36
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	20	2.36	0.04	2.36
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	20	2.36	0.04	2.36
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	20	2.36	0.04	2.36
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	20	2.36	0.04	2.36
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	20	2.36	0.28	2.42
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	20	2.36	0.28	2.42
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	20	2.36	0.28	2.42
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	20	2.36	0.11	2.34
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	20	2.36	0.0	2.36
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	20	2.35	0.03	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	20	2.35	0.03	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	20	2.35	0.03	2.35
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	20	2.35	0.03	2.36
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	20	2.35	0.03	2.36
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	20	2.35	0.03	2.36
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	20	2.35	0.0	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	20	2.35	0.0	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	20	2.35	0.0	2.35
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	20	2.35	0.03	2.34
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	20	2.35	0.03	2.34
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	20	2.35	0.03	2.34
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	20	2.34	0.24	2.38
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	20	2.34	0.24	2.38
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	20	2.34	0.24	2.38
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	20	2.34	0.0	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	20	2.34	0.0	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	20	2.34	0.0	2.34
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	20	2.33	0.02	2.33
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	20	2.33	0.02	2.33
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	20	2.33	0.02	2.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	20	2.33	0.03	2.33
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	20	2.32	0.18	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	20	2.32	0.18	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	20	2.32	0.18	2.36
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	20	2.32	0.01	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	20	2.32	0.01	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	20	2.32	0.01	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	20	2.32	0.01	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	20	2.32	0.01	2.32
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	20	2.32	0.05	2.3
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	20	2.32	0.02	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	20	2.32	0.02	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	20	2.32	0.02	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	20	2.32	0.02	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	20	2.32	0.02	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	20	2.32	0.02	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	20	2.32	0.02	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	20	2.32	0.02	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	20	2.32	0.02	2.31
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	20	2.32	0.03	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	20	2.32	0.03	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	20	2.32	0.03	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	20	2.32	0.03	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	20	2.32	0.03	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	20	2.32	0.03	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	20	2.32	0.03	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	20	2.32	0.03	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	20	2.32	0.03	2.33
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	20	2.32	0.04	2.32
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	20	2.32	0.04	2.32
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	20	2.32	0.04	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	20	2.31	0.0	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	20	2.31	0.0	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	20	2.31	0.0	2.31
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	20	2.31	0.09	2.32
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	20	2.31	0.05	2.3
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	20	2.31	0.02	2.31
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	20	2.31	0.01	2.31
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	20	2.31	0.01	2.31
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	20	2.31	0.01	2.31
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	20	2.31	0.01	2.31
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	20	2.31	0.01	2.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	20	2.31	0.01	2.31
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	20	2.3	0.0	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	20	2.3	0.0	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	20	2.3	0.0	2.3
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	20	2.3	0.02	2.3
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	20	2.3	0.02	2.3
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	20	2.3	0.02	2.3
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	20	2.29	0.0	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	20	2.29	0.0	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	20	2.29	0.0	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	20	2.29	0.0	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	20	2.29	0.0	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	20	2.29	0.0	2.29
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	20	2.29	0.19	2.34
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	20	2.28	0.01	2.28
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	20	2.28	0.01	2.28
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	20	2.28	0.01	2.28
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	20	2.28	0.02	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	20	2.28	0.0	2.28
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	20	2.28	0.01	2.28
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	20	2.28	0.01	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	20	2.28	0.01	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	20	2.28	0.01	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	20	2.28	0.01	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	20	2.28	0.01	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	20	2.28	0.01	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	20	2.28	0.01	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	20	2.28	0.01	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	20	2.28	0.01	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	20	2.28	0.01	2.28
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	20	2.28	0.08	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	20	2.28	0.01	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	20	2.28	0.01	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	20	2.28	0.01	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	20	2.28	0.01	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	20	2.28	0.01	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	20	2.28	0.01	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	20	2.28	0.01	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	20	2.28	0.01	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	20	2.28	0.01	2.28
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	20	2.27	0.03	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	20	2.27	0.03	2.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	20	2.27	0.03	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	20	2.27	0.01	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	20	2.27	0.01	2.27
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	20	2.27	0.01	2.27
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	20	2.27	0.01	2.27
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	20	2.27	0.01	2.27
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	20	2.27	0.03	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	20	2.27	0.03	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	20	2.27	0.03	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	20	2.26	0.01	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	20	2.26	0.01	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	20	2.26	0.01	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	20	2.26	0.0	2.26
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	20	2.26	0.04	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	20	2.26	0.0	2.26
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	20	2.26	0.08	2.29
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	20	2.26	0.0	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	20	2.26	0.0	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	20	2.26	0.0	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	20	2.26	0.0	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	20	2.26	0.0	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	20	2.26	0.0	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	20	2.26	0.0	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	20	2.26	0.0	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	20	2.26	0.0	2.26
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	20	2.26	0.06	2.29
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	20	2.26	0.26	2.38
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	20	2.25	0.06	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	20	2.25	0.06	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	20	2.25	0.06	2.27
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	20	2.25	0.02	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	20	2.25	0.01	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	20	2.25	0.01	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	20	2.25	0.01	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	20	2.25	0.0	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	20	2.25	0.0	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	20	2.25	0.0	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	20	2.25	0.0	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	20	2.25	0.0	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	20	2.25	0.0	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	20	2.25	0.0	2.25
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	20	2.25	0.13	2.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	20	2.24	0.01	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	20	2.24	0.01	2.25
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	20	2.24	0.0	2.24
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	20	2.24	0.02	2.24
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	20	2.24	0.02	2.24
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	20	2.24	0.02	2.24
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	20	2.24	0.09	2.28
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	20	2.24	0.09	2.28
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	20	2.23	0.02	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	20	2.23	0.0	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	20	2.23	0.0	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	20	2.23	0.0	2.23
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	20	2.23	0.03	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	20	2.23	0.03	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	20	2.23	0.03	2.24
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	20	2.23	0.0	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	20	2.23	0.0	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	20	2.23	0.0	2.23
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	20	2.23	0.02	2.23
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	20	2.23	0.02	2.23
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	20	2.23	0.02	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	20	2.23	0.0	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	20	2.23	0.0	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	20	2.23	0.0	2.23
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	20	2.23	0.09	2.24
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	20	2.23	0.09	2.24
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	20	2.23	0.09	2.24
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	20	2.22	0.07	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	20	2.22	0.04	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	20	2.22	0.04	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	20	2.22	0.04	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	20	2.22	0.0	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	20	2.22	0.01	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	20	2.22	0.01	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	20	2.22	0.01	2.22
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	20	2.22	0.21	2.32
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	20	2.22	0.21	2.32
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	20	2.22	0.21	2.32
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	20	2.22	0.03	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	20	2.22	0.03	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	20	2.22	0.03	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	20	2.22	0.03	2.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	20	2.22	0.03	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	20	2.22	0.03	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	20	2.22	0.03	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	20	2.22	0.03	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	20	2.22	0.03	2.23
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	20	2.22	0.01	2.22
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	20	2.22	0.01	2.22
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	20	2.22	0.01	2.22
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	20	2.21	0.01	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	20	2.21	0.01	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	20	2.21	0.01	2.21
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	20	2.21	0.2	2.24
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	20	2.21	0.2	2.24
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	20	2.21	0.2	2.24
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	20	2.21	0.04	2.2
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	20	2.21	0.04	2.2
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	20	2.21	0.04	2.2
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	20	2.21	0.0	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	20	2.21	0.0	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	20	2.21	0.02	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	20	2.21	0.02	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	20	2.21	0.02	2.21
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	20	2.21	0.02	2.21
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	20	2.21	0.01	2.21
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	20	2.21	0.01	2.21
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	20	2.21	0.01	2.21
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	20	2.2	0.02	2.2
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	20	2.2	0.02	2.2
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	20	2.2	0.02	2.2
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	20	2.2	0.02	2.2
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	20	2.2	0.11	2.18
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	20	2.19	0.07	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	20	2.19	0.04	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	20	2.19	0.04	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	20	2.19	0.04	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	20	2.19	0.04	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	20	2.19	0.04	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	20	2.19	0.04	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	20	2.19	0.04	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	20	2.19	0.04	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	20	2.19	0.04	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	20	2.19	0.02	2.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	20	2.19	0.02	2.19
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	20	2.19	0.13	2.2
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	20	2.19	0.0	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	20	2.19	0.0	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	20	2.19	0.0	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	20	2.19	0.0	2.19
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	20	2.19	0.06	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	20	2.19	0.01	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	20	2.19	0.01	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	20	2.19	0.01	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	20	2.19	0.01	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	20	2.19	0.01	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	20	2.19	0.01	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	20	2.19	0.01	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	20	2.19	0.01	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	20	2.19	0.01	2.19
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	20	2.19	0.01	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	20	2.18	0.01	2.18
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	20	2.18	0.08	2.14
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	20	2.18	0.08	2.14
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	20	2.18	0.02	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	20	2.18	0.02	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	20	2.18	0.02	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	20	2.18	0.02	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	20	2.18	0.02	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	20	2.18	0.02	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	20	2.18	0.02	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	20	2.18	0.02	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	20	2.18	0.02	2.18
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	20	2.18	0.23	2.23
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	20	2.18	0.23	2.23
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	20	2.18	0.23	2.23
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	20	2.18	0.0	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	20	2.18	0.0	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	20	2.18	0.0	2.18
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	20	2.18	0.07	2.2
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	20	2.18	0.14	2.23
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	20	2.18	0.06	2.2
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	20	2.18	0.06	2.2
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	20	2.18	0.06	2.2
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	20	2.18	0.0	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	20	2.18	0.0	2.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	20	2.18	0.0	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	20	2.18	0.0	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	20	2.18	0.0	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	20	2.18	0.0	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	20	2.18	0.0	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	20	2.18	0.0	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	20	2.18	0.0	2.18
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	20	2.18	0.03	2.17
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	20	2.18	0.03	2.17
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	20	2.18	0.03	2.17
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	20	2.18	0.1	2.2
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	20	2.18	0.02	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	20	2.18	0.01	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	20	2.18	0.01	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	20	2.18	0.01	2.18
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	20	2.17	0.01	2.17
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	20	2.17	0.09	2.13
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	20	2.17	0.0	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	20	2.17	0.0	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	20	2.17	0.0	2.17
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	20	2.17	0.18	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	20	2.17	0.18	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	20	2.17	0.18	2.22
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	20	2.17	0.26	2.21
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	20	2.17	0.26	2.21
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	20	2.17	0.26	2.21
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	20	2.17	0.02	2.16
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	20	2.17	0.0	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	20	2.17	0.01	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	20	2.17	0.01	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	20	2.17	0.01	2.17
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	20	2.16	0.11	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	20	2.16	0.01	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	20	2.16	0.01	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	20	2.16	0.01	2.17
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	20	2.16	0.38	2.44
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	20	2.16	0.38	2.44
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	20	2.16	0.05	2.16
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	20	2.16	0.32	2.34
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	20	2.16	0.32	2.34
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	20	2.16	0.32	2.34
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	20	2.16	0.0	2.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	20	2.16	0.01	2.16
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	20	2.16	0.04	2.13
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	20	2.16	0.01	2.15
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	20	2.16	0.01	2.15
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	20	2.16	0.01	2.15
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	20	2.15	0.4	2.03
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	20	2.15	0.4	2.03
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	20	2.15	0.4	2.03
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	20	2.15	0.01	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	20	2.15	0.0	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	20	2.15	0.0	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	20	2.15	0.0	2.15
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	20	2.15	0.03	2.15
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	20	2.15	0.03	2.15
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	20	2.15	0.03	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	20	2.15	0.01	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	20	2.15	0.01	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	20	2.15	0.01	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	20	2.15	0.01	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	20	2.15	0.01	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	20	2.15	0.01	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	20	2.15	0.01	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	20	2.15	0.01	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	20	2.15	0.01	2.15
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	20	2.15	0.02	2.14
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	20	2.15	0.02	2.14
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	20	2.15	0.01	2.15
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	20	2.15	0.01	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	20	2.15	0.06	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	20	2.15	0.06	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	20	2.15	0.06	2.13
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	20	2.15	0.0	2.15
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	20	2.15	0.23	2.2
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	20	2.15	0.02	2.14
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	20	2.15	0.02	2.14
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	20	2.14	0.0	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	20	2.14	0.0	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	20	2.14	0.0	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	20	2.14	0.0	2.14
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	20	2.14	0.17	2.18
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	20	2.14	0.17	2.18
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	20	2.14	0.17	2.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	20	2.14	0.06	2.16
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	20	2.14	0.0	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	20	2.14	0.0	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	20	2.14	0.0	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	20	2.14	0.0	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	20	2.14	0.0	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	20	2.14	0.0	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	20	2.14	0.0	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	20	2.14	0.0	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	20	2.14	0.0	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	20	2.14	0.0	2.14
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	20	2.14	0.14	2.17
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	20	2.14	0.14	2.17
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	20	2.14	0.14	2.17
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	20	2.14	0.0	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	20	2.14	0.0	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	20	2.14	0.0	2.14
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	20	2.14	0.01	2.14
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	20	2.14	0.12	2.2
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	20	2.14	0.01	2.14
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	20	2.14	0.01	2.14
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	20	2.14	0.01	2.14
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	20	2.13	0.75	1.6
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	20	2.13	0.75	1.6
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	20	2.13	0.75	1.6
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	20	2.13	0.0	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	20	2.13	0.0	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	20	2.13	0.0	2.13
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	20	2.13	0.02	2.14
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	20	2.13	0.22	2.23
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	20	2.13	0.56	2.46
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	20	2.13	0.09	2.15
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	20	2.13	0.09	2.15
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	20	2.13	0.0	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	20	2.13	0.0	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	20	2.13	0.0	2.13
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	20	2.13	0.01	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	20	2.13	0.01	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	20	2.13	0.01	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	20	2.12	0.0	2.12
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	20	2.12	0.01	2.13
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	20	2.12	0.01	2.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	20	2.12	0.01	2.13
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	20	2.12	0.04	2.13
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	20	2.12	0.0	2.12
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	20	2.12	0.3	2.19
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	20	2.12	0.3	2.19
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	20	2.12	0.3	2.19
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	20	2.12	0.0	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	20	2.12	0.0	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	20	2.12	0.0	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	20	2.12	0.0	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	20	2.12	0.0	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	20	2.12	0.0	2.12
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	20	2.12	0.03	2.13
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	20	2.12	0.0	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	20	2.12	0.0	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	20	2.12	0.0	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	20	2.12	0.0	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	20	2.12	0.0	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	20	2.12	0.0	2.12
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	20	2.11	0.23	2.16
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	20	2.11	0.23	2.16
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	20	2.11	0.23	2.16
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	20	2.11	0.05	2.09
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	20	2.11	0.05	2.09
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	20	2.11	0.05	2.09
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	20	2.11	0.89	2.76
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	20	2.11	0.01	2.11
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	20	2.11	0.02	2.11
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	20	2.11	0.02	2.11
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	20	2.11	0.02	2.11
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	20	2.11	0.02	2.1
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	20	2.11	0.0	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	20	2.11	0.0	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	20	2.11	0.0	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	20	2.11	0.0	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	20	2.11	0.0	2.11
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	20	2.11	0.01	2.11
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	20	2.11	0.01	2.11
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	20	2.11	0.01	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	20	2.11	0.01	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	20	2.11	0.0	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	20	2.11	0.0	2.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	20	2.11	0.0	2.11
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	20	2.11	0.37	2.18
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	20	2.11	0.37	2.18
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	20	2.11	0.37	2.18
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	20	2.11	0.01	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	20	2.11	0.01	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	20	2.11	0.01	2.11
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	20	2.1	0.07	2.09
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	20	2.1	0.0	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	20	2.1	0.0	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	20	2.1	0.0	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	20	2.1	0.0	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	20	2.1	0.0	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	20	2.1	0.0	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	20	2.1	0.0	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	20	2.1	0.0	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	20	2.1	0.0	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	20	2.1	0.0	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	20	2.1	0.0	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	20	2.1	0.0	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	20	2.1	0.01	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	20	2.1	0.01	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	20	2.1	0.01	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	20	2.1	0.0	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	20	2.1	0.0	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	20	2.1	0.0	2.1
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	20	2.1	0.01	2.1
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	20	2.1	0.01	2.1
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	20	2.1	0.01	2.1
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	20	2.1	0.01	2.1
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	20	2.1	0.01	2.1
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	20	2.1	0.01	2.1
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	20	2.09	0.01	2.09
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	20	2.09	0.01	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	20	2.09	0.01	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	20	2.09	0.01	2.1
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	20	2.09	0.05	2.08
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	20	2.09	0.24	2.13
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	20	2.09	0.24	2.13
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	20	2.09	0.24	2.13
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	20	2.09	0.01	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	20	2.09	0.01	2.09

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	20	2.09	0.01	2.09
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	20	2.09	0.04	2.08
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	20	2.09	0.01	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	20	2.08	0.01	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	20	2.08	0.01	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	20	2.08	0.01	2.09
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	20	2.08	0.05	2.08
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	20	2.08	0.05	2.08
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	20	2.08	0.05	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	20	2.08	0.0	2.08
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	20	2.08	0.02	2.08
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	20	2.08	0.02	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	20	2.08	0.0	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	20	2.08	0.0	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	20	2.08	0.0	2.08
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	20	2.08	0.08	2.09
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	20	2.08	0.03	2.08
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	20	2.08	0.03	2.08
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	20	2.08	0.03	2.08
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	20	2.08	0.05	2.06
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	20	2.08	0.05	2.06
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	20	2.08	0.05	2.06
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	20	2.08	0.07	2.08
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	20	2.07	0.08	2.09
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	20	2.07	0.1	2.1
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	20	2.07	0.5	2.43
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	20	2.07	0.0	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	20	2.07	0.0	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	20	2.07	0.0	2.07
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	20	2.07	0.3	2.2
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	20	2.07	0.3	2.2
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	20	2.07	0.3	2.2
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	20	2.07	0.23	2.02
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	20	2.07	0.1	2.12
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	20	2.06	0.0	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	20	2.06	0.0	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	20	2.06	0.0	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	20	2.06	0.0	2.06
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	20	2.06	0.02	2.06
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	20	2.06	0.02	2.06
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	20	2.06	0.02	2.06
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	20	2.06	0.07	2.09

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	20	2.06	0.0	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	20	2.06	0.0	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	20	2.06	0.0	2.06
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	20	2.06	0.02	2.06
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	20	2.06	0.02	2.07
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	20	2.06	0.01	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	20	2.06	0.0	2.06
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	20	2.06	0.04	2.06
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	20	2.06	0.01	2.05
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	20	2.06	0.01	2.05
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	20	2.06	0.01	2.05
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	20	2.05	0.01	2.05
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	20	2.05	0.73	1.53
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	20	2.05	0.73	1.53
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	20	2.05	0.73	1.53
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	20	2.05	0.09	2.08
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	20	2.05	0.09	2.08
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	20	2.05	0.09	2.08
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	20	2.05	0.01	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	20	2.05	0.01	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	20	2.05	0.01	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	20	2.05	0.01	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	20	2.05	0.01	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	20	2.05	0.01	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	20	2.05	0.01	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	20	2.05	0.01	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	20	2.05	0.01	2.05
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	20	2.05	0.1	2.08
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	20	2.05	0.08	2.01
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	20	2.05	0.0	2.05
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	20	2.05	0.33	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	20	2.05	0.33	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	20	2.05	0.33	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	20	2.05	0.33	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	20	2.05	0.33	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	20	2.05	0.33	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	20	2.05	0.33	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	20	2.05	0.33	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	20	2.05	0.33	2.12
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	20	2.05	0.0	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	20	2.05	0.0	2.05
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	20	2.05	0.0	2.05

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	20	2.04	0.01	2.04
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	20	2.04	0.34	2.12
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	20	2.04	0.34	2.12
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	20	2.04	0.34	2.12
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	20	2.04	0.01	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	20	2.04	0.01	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	20	2.04	0.01	2.04
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	20	2.04	0.01	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	20	2.04	0.0	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	20	2.04	0.0	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	20	2.04	0.0	2.04
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	20	2.04	0.02	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	20	2.03	0.0	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	20	2.03	0.0	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	20	2.03	0.0	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	20	2.03	0.01	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	20	2.03	0.01	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	20	2.03	0.01	2.03
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	20	2.03	0.02	2.04
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	20	2.03	0.02	2.04
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	20	2.03	0.02	2.04
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	20	2.03	0.01	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	20	2.03	0.0	2.03
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	20	2.03	0.11	2.0
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	20	2.03	0.11	2.0
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	20	2.03	0.11	2.0
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	20	2.03	0.2	1.98
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	20	2.03	0.2	1.98
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	20	2.03	0.2	1.98
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	20	2.03	0.03	2.02
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	20	2.03	0.03	2.02
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	20	2.03	0.03	2.02
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	20	2.03	0.03	2.02
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	20	2.03	0.03	2.02
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	20	2.03	0.03	2.02
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	20	2.03	0.03	2.02
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	20	2.03	0.03	2.02
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	20	2.03	0.03	2.02
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	20	2.03	0.0	2.03
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	20	2.03	0.02	2.02
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	20	2.03	0.03	2.02
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	20	2.03	0.03	2.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	20	2.03	0.03	2.02
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	20	2.03	0.03	2.02
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	20	2.03	0.03	2.02
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	20	2.03	0.03	2.02
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	20	2.03	0.03	2.02
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	20	2.03	0.03	2.02
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	20	2.03	0.03	2.02
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	20	2.02	0.01	2.03
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	20	2.02	0.01	2.03
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	20	2.02	0.01	2.03
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	20	2.02	0.0	2.02
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	20	2.02	0.18	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	20	2.02	0.18	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	20	2.02	0.18	2.06
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	20	2.02	0.0	2.02
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	20	2.02	0.33	2.04
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	20	2.02	0.0	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	20	2.02	0.0	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	20	2.02	0.0	2.02
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	20	2.02	0.15	1.98
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	20	2.02	0.15	1.98
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	20	2.02	0.15	1.98
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	20	2.02	0.15	1.98
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	20	2.02	0.15	1.98
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	20	2.02	0.15	1.98
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	20	2.02	0.15	1.98
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	20	2.02	0.15	1.98
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	20	2.02	0.15	1.98
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	20	2.02	0.0	2.02
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	20	2.02	0.07	2.0
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	20	2.01	0.62	2.33
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	20	2.01	0.0	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	20	2.01	0.0	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	20	2.01	0.0	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	20	2.01	0.0	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	20	2.01	0.0	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	20	2.01	0.0	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	20	2.01	0.01	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	20	2.01	0.01	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	20	2.01	0.01	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	20	2.01	0.0	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	20	2.01	0.0	2.01

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	20	2.01	0.0	2.01
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	20	2.01	0.46	2.17
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	20	2.01	0.02	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	20	2.01	0.0	2.01
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	20	2.01	0.19	2.05
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	20	2.01	0.19	2.05
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	20	2.01	0.19	2.05
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	20	2.0	0.02	2.0
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	20	2.0	0.36	2.09
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	20	2.0	0.01	2.0
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	20	2.0	0.26	2.04
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	20	2.0	0.26	2.04
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	20	2.0	0.26	2.04
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	20	2.0	0.0	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	20	2.0	0.0	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	20	2.0	0.0	2.0
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	20	2.0	0.01	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	20	2.0	0.02	2.01
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	20	2.0	0.02	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	20	2.0	0.02	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	20	2.0	0.02	1.99
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	20	2.0	0.01	2.0
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	20	2.0	0.01	2.0
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	20	2.0	0.01	2.0
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	20	2.0	0.47	2.1
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	20	2.0	0.03	2.0
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	20	2.0	0.03	2.0
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	20	2.0	0.03	2.0
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	20	2.0	0.07	2.0
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	20	2.0	0.07	2.0
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	20	2.0	0.07	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	20	1.99	0.01	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	20	1.99	0.01	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	20	1.99	0.01	2.0
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	20	1.99	0.02	1.99
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	20	1.99	0.02	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	20	1.99	0.01	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	20	1.99	0.01	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	20	1.99	0.01	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	20	1.99	0.01	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	20	1.99	0.01	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	20	1.99	0.01	1.99

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	20	1.99	0.01	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	20	1.99	0.01	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	20	1.99	0.01	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	20	1.99	0.0	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	20	1.99	0.0	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	20	1.99	0.0	1.99
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	20	1.99	0.03	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	20	1.99	0.0	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	20	1.99	0.0	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	20	1.99	0.0	1.99
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	20	1.99	0.18	1.95
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	20	1.99	0.18	1.95
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	20	1.99	0.18	1.95
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	20	1.99	0.0	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	20	1.99	0.0	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	20	1.99	0.0	1.99
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	20	1.99	0.11	2.01
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	20	1.99	0.02	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	20	1.99	0.0	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	20	1.99	0.01	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	20	1.99	0.01	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	20	1.99	0.01	1.98
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	20	1.99	0.09	2.02
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	20	1.99	0.09	2.02
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	20	1.98	0.03	1.99
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	20	1.98	0.03	1.99
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	20	1.98	0.03	1.99
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	20	1.98	0.05	1.99
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	20	1.98	0.02	1.99
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	20	1.98	0.04	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	20	1.98	0.04	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	20	1.98	0.04	1.98
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	20	1.98	0.02	1.98
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	20	1.98	0.02	1.98
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	20	1.98	0.02	1.98
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	20	1.98	0.01	1.98
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	20	1.98	0.01	1.98
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	20	1.98	0.01	1.98
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	20	1.98	0.26	1.81
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	20	1.98	0.17	1.9
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	20	1.98	0.17	1.9
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	20	1.98	0.29	2.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	20	1.98	0.29	2.02
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	20	1.98	0.29	2.02
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	20	1.98	0.27	1.94
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	20	1.98	0.25	1.91
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	20	1.98	0.01	1.98
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	20	1.98	0.01	1.98
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	20	1.98	0.01	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	20	1.98	0.0	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	20	1.98	0.0	1.98
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	20	1.98	0.04	1.98
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	20	1.98	0.17	2.01
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	20	1.98	0.17	2.01
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	20	1.98	0.17	2.01
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	20	1.98	0.02	1.98
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	20	1.98	0.02	1.98
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	20	1.98	0.02	1.98
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	20	1.98	0.2	2.02
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	20	1.98	0.2	2.02
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	20	1.98	0.2	2.02
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	20	1.98	0.02	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	20	1.98	0.02	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	20	1.98	0.02	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	20	1.98	0.0	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	20	1.98	0.0	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	20	1.98	0.0	1.98
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	20	1.98	0.17	1.88
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	20	1.98	0.17	1.88
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	20	1.97	0.01	1.97
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	20	1.97	0.01	1.97
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	20	1.97	0.01	1.97
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	20	1.97	0.04	1.96
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	20	1.97	0.04	1.96
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	20	1.97	0.04	1.96
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	20	1.97	0.03	1.97
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	20	1.97	0.03	1.97
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	20	1.97	0.03	1.97
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	20	1.97	0.04	1.98
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	20	1.97	0.04	1.98
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	20	1.97	0.04	1.98
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	20	1.97	0.0	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	20	1.97	0.02	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	20	1.97	0.02	1.97

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	20	1.97	0.02	1.97
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	20	1.97	0.43	2.09
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	20	1.97	0.0	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	20	1.97	0.0	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	20	1.97	0.0	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	20	1.97	0.0	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	20	1.97	0.0	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	20	1.97	0.0	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	20	1.97	0.0	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	20	1.97	0.0	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	20	1.97	0.0	1.97
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	20	1.97	0.06	1.96
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	20	1.97	0.06	1.96
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	20	1.97	0.06	1.96
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	20	1.96	0.02	1.97
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	20	1.96	0.22	2.08
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	20	1.96	0.01	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	20	1.96	0.01	1.96
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	20	1.96	0.12	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	20	1.96	0.12	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	20	1.96	0.12	1.99
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	20	1.96	0.01	1.96
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	20	1.96	0.01	1.96
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	20	1.96	0.01	1.96
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	20	1.96	0.02	1.96
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	20	1.96	0.44	1.88
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	20	1.96	0.44	1.88
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	20	1.96	0.44	1.88
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	20	1.96	0.0	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	20	1.96	0.0	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	20	1.96	0.0	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	20	1.96	0.0	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	20	1.96	0.0	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	20	1.96	0.0	1.96
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	20	1.96	0.28	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	20	1.96	0.28	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	20	1.96	0.28	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	20	1.96	0.28	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	20	1.96	0.28	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	20	1.96	0.28	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	20	1.96	0.28	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	20	1.96	0.28	1.83

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	20	1.96	0.28	1.83
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	20	1.96	0.01	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	20	1.96	0.01	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	20	1.96	0.01	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	20	1.96	0.01	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	20	1.96	0.01	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	20	1.96	0.01	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	20	1.96	0.01	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	20	1.96	0.01	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	20	1.96	0.01	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	20	1.96	0.01	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	20	1.96	0.01	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	20	1.96	0.01	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	20	1.95	0.02	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	20	1.95	0.02	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	20	1.95	0.02	1.96
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	20	1.95	0.01	1.95
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	20	1.95	0.01	1.95
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	20	1.95	0.01	1.95
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	20	1.95	0.02	1.95
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	20	1.95	0.02	1.95
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	20	1.95	0.02	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	20	1.95	0.0	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	20	1.95	0.0	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	20	1.95	0.0	1.95
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	20	1.95	0.24	2.06
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	20	1.95	0.02	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	20	1.95	0.02	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	20	1.95	0.02	1.96
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	20	1.95	0.01	1.95
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	20	1.95	0.01	1.95
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	20	1.95	0.01	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	20	1.95	0.01	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	20	1.95	0.01	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	20	1.95	0.01	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	20	1.95	0.01	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	20	1.95	0.01	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	20	1.95	0.01	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	20	1.95	0.01	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	20	1.95	0.01	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	20	1.95	0.01	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	20	1.95	0.01	1.95

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	20	1.95	0.0	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	20	1.95	0.0	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	20	1.95	0.0	1.95
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	20	1.95	0.19	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	20	1.95	0.19	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	20	1.95	0.19	2.0
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	20	1.95	0.0	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	20	1.95	0.0	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	20	1.95	0.0	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	20	1.95	0.01	1.95
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	20	1.95	0.03	1.94
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	20	1.95	0.0	1.95
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	20	1.95	0.03	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	20	1.95	0.02	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	20	1.95	0.02	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	20	1.95	0.02	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	20	1.95	0.0	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	20	1.95	0.0	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	20	1.95	0.0	1.95
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	20	1.95	0.02	1.94
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	20	1.95	0.02	1.94
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	20	1.95	0.02	1.94
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	20	1.95	0.03	1.93
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	20	1.95	0.18	1.99
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	20	1.95	0.18	1.99
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	20	1.95	0.18	1.99
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	20	1.95	0.05	1.96
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	20	1.95	0.11	1.97
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	20	1.95	0.02	1.95
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	20	1.94	0.01	1.94
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	20	1.94	0.02	1.94
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	20	1.94	0.02	1.94
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	20	1.94	0.02	1.94
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	20	1.94	0.5	1.82
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	20	1.94	0.0	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	20	1.94	0.0	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	20	1.94	0.0	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	20	1.94	0.0	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	20	1.94	0.0	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	20	1.94	0.0	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	20	1.94	0.0	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	20	1.94	0.0	1.94

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	20	1.94	0.0	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	20	1.94	0.0	1.94
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	20	1.94	0.02	1.94
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	20	1.94	0.01	1.94
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	20	1.94	0.01	1.94
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	20	1.94	0.01	1.94
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	20	1.94	0.02	1.94
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	20	1.94	0.02	1.94
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	20	1.94	0.02	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	20	1.94	0.0	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	20	1.94	0.0	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	20	1.94	0.0	1.94
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	20	1.93	0.43	2.16
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	20	1.93	0.2	1.84
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	20	1.93	0.21	1.97
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	20	1.93	0.21	1.97
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	20	1.93	0.21	1.97
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	20	1.93	0.01	1.94
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	20	1.93	0.01	1.94
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	20	1.93	0.01	1.94
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	20	1.93	0.0	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	20	1.93	0.0	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	20	1.93	0.0	1.93
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	20	1.93	0.01	1.93
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	20	1.93	0.01	1.93
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	20	1.93	0.01	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	20	1.93	0.0	1.93
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	20	1.93	0.06	1.94
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	20	1.93	0.06	1.94
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	20	1.93	0.06	1.94
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	20	1.93	0.11	1.96
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	20	1.93	0.0	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	20	1.93	0.0	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	20	1.93	0.0	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	20	1.93	0.0	1.93
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	20	1.93	0.09	1.92
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	20	1.93	0.2	1.97
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	20	1.93	0.2	1.97
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	20	1.93	0.2	1.97
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	20	1.93	0.02	1.93
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	20	1.93	0.01	1.92
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	20	1.93	0.01	1.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	20	1.93	0.01	1.92
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	20	1.93	0.16	1.98
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	20	1.92	0.04	1.94
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	20	1.92	0.01	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	20	1.92	0.01	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	20	1.92	0.01	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	20	1.92	0.01	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	20	1.92	0.01	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	20	1.92	0.01	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	20	1.92	0.0	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	20	1.92	0.0	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	20	1.92	0.0	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	20	1.92	0.0	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	20	1.92	0.0	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	20	1.92	0.02	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	20	1.92	0.02	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	20	1.92	0.02	1.92
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	20	1.92	0.43	2.1
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	20	1.92	0.01	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	20	1.92	0.01	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	20	1.92	0.01	1.92
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	20	1.91	0.06	1.92
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	20	1.91	0.04	1.91
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	20	1.91	0.04	1.91
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	20	1.91	0.04	1.91
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	20	1.91	0.02	1.91
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	20	1.91	0.02	1.91
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	20	1.91	0.02	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	20	1.91	0.0	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	20	1.91	0.0	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	20	1.91	0.0	1.91
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	20	1.91	0.01	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	20	1.91	0.0	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	20	1.91	0.0	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	20	1.91	0.0	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	20	1.91	0.0	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	20	1.91	0.0	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	20	1.91	0.0	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	20	1.91	0.0	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	20	1.91	0.0	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	20	1.91	0.0	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	20	1.91	0.0	1.91

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	20	1.91	0.05	1.92
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	20	1.91	0.05	1.92
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	20	1.91	0.05	1.92
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	20	1.91	0.01	1.91
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	20	1.9	0.01	1.9
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	20	1.9	0.02	1.9
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	20	1.9	0.02	1.9
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	20	1.9	0.02	1.9
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	20	1.9	0.02	1.9
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	20	1.9	0.02	1.9
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	20	1.9	0.02	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	20	1.9	0.02	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	20	1.9	0.02	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	20	1.9	0.02	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	20	1.9	0.02	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	20	1.9	0.02	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	20	1.9	0.02	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	20	1.9	0.02	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	20	1.9	0.02	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	20	1.9	0.02	1.9
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	20	1.9	0.01	1.9
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	20	1.9	0.01	1.9
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	20	1.9	0.01	1.9
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	20	1.9	0.09	1.91
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	20	1.9	0.09	1.91
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	20	1.9	0.09	1.91
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	20	1.9	0.01	1.89
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	20	1.9	0.01	1.89
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	20	1.9	0.01	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	20	1.9	0.01	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	20	1.9	0.01	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	20	1.9	0.01	1.9
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	20	1.9	0.08	1.91
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	20	1.9	0.01	1.9
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	20	1.89	0.03	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	20	1.89	0.0	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	20	1.89	0.0	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	20	1.89	0.0	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	20	1.89	0.0	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	20	1.89	0.0	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	20	1.89	0.0	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	20	1.89	0.0	1.89

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	20	1.89	0.0	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	20	1.89	0.0	1.89
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	20	1.89	0.04	1.88
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	20	1.89	0.04	1.88
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	20	1.89	0.01	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	20	1.89	0.0	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	20	1.89	0.0	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	20	1.89	0.0	1.89
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	20	1.89	0.04	1.88
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	20	1.89	0.04	1.88
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	20	1.89	0.04	1.88
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	20	1.89	0.01	1.88
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	20	1.89	0.0	1.89
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	20	1.88	0.01	1.88
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	20	1.88	0.01	1.88
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	20	1.88	0.01	1.88
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	20	1.88	0.02	1.88
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	20	1.88	0.02	1.88
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	20	1.88	0.02	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	20	1.88	0.0	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	20	1.88	0.0	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	20	1.88	0.0	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	20	1.88	0.0	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	20	1.88	0.0	1.88
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	20	1.88	0.02	1.87
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	20	1.88	0.04	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	20	1.88	0.0	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	20	1.88	0.0	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	20	1.88	0.0	1.88
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	20	1.88	0.03	1.88
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	20	1.88	0.28	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	20	1.88	0.28	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	20	1.88	0.28	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	20	1.88	0.28	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	20	1.88	0.28	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	20	1.88	0.28	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	20	1.88	0.28	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	20	1.88	0.28	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	20	1.88	0.28	1.75
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	20	1.88	0.17	1.78
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	20	1.88	0.17	1.78
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	20	1.88	0.17	1.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	20	1.88	0.01	1.88
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	20	1.88	0.01	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	20	1.88	0.01	1.88
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	20	1.87	0.01	1.87
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	20	1.87	0.07	1.89
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	20	1.87	0.02	1.87
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	20	1.87	0.02	1.87
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	20	1.87	0.02	1.87
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	20	1.87	0.02	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	20	1.87	0.0	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	20	1.87	0.02	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	20	1.87	0.02	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	20	1.87	0.02	1.87
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	20	1.87	0.03	1.87
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	20	1.87	0.03	1.87
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	20	1.87	0.03	1.87
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	20	1.87	0.06	1.87
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	20	1.87	0.06	1.87
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	20	1.87	0.06	1.87
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	20	1.86	0.02	1.86
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	20	1.86	0.02	1.85
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	20	1.86	0.0	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	20	1.86	0.0	1.86
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	20	1.86	0.0	1.86
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	20	1.86	0.02	1.87
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	20	1.86	0.02	1.87
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	20	1.86	0.02	1.87
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	20	1.86	0.08	1.85
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	20	1.86	0.02	1.87
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	20	1.86	0.02	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	20	1.86	0.02	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	20	1.86	0.02	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	20	1.86	0.02	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	20	1.86	0.02	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	20	1.86	0.02	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	20	1.86	0.02	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	20	1.86	0.02	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	20	1.86	0.02	1.86
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	20	1.86	0.01	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	20	1.86	0.02	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	20	1.86	0.02	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	20	1.86	0.02	1.87

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	20	1.86	0.02	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	20	1.86	0.02	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	20	1.86	0.02	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	20	1.86	0.02	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	20	1.86	0.02	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	20	1.86	0.02	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	20	1.86	0.02	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	20	1.86	0.02	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	20	1.86	0.02	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	20	1.86	0.0	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	20	1.86	0.0	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	20	1.86	0.0	1.86
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	20	1.86	0.02	1.86
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	20	1.86	0.02	1.86
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	20	1.86	0.02	1.86
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	20	1.86	0.07	1.82
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	20	1.86	0.02	1.86
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	20	1.86	0.02	1.86
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	20	1.86	0.02	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	20	1.86	0.0	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	20	1.86	0.0	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	20	1.86	0.0	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	20	1.86	0.0	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	20	1.86	0.0	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	20	1.86	0.0	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	20	1.86	0.0	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	20	1.86	0.0	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	20	1.86	0.0	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	20	1.86	0.0	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	20	1.86	0.0	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	20	1.86	0.0	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	20	1.86	0.0	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	20	1.86	0.05	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	20	1.86	0.05	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	20	1.86	0.05	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	20	1.86	0.05	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	20	1.86	0.05	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	20	1.86	0.05	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	20	1.86	0.05	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	20	1.86	0.05	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	20	1.86	0.05	1.86
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	20	1.86	0.03	1.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	20	1.86	0.03	1.86
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	20	1.86	0.03	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	20	1.86	0.01	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	20	1.86	0.01	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	20	1.86	0.01	1.86
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	20	1.86	0.01	1.86
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	20	1.86	0.01	1.86
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	20	1.86	0.01	1.86
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	20	1.85	0.34	2.04
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	20	1.85	0.0	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	20	1.85	0.0	1.85
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	20	1.85	0.01	1.86
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	20	1.85	0.0	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	20	1.85	0.0	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	20	1.85	0.0	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	20	1.85	0.02	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	20	1.85	0.02	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	20	1.85	0.02	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	20	1.85	0.0	1.85
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	20	1.85	0.17	1.86
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	20	1.85	0.02	1.85
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	20	1.85	0.42	2.08
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	20	1.85	0.06	1.86
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	20	1.85	0.26	1.98
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	20	1.85	0.0	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	20	1.85	0.0	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	20	1.85	0.0	1.85
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	20	1.85	0.01	1.84
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	20	1.84	0.02	1.85
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	20	1.84	0.02	1.85
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	20	1.84	0.02	1.85
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	20	1.84	0.5	2.04
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	20	1.84	0.5	2.04
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	20	1.84	0.5	2.04
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	20	1.84	0.07	1.84
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	20	1.84	0.07	1.84
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	20	1.84	0.07	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	20	1.84	0.0	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	20	1.84	0.0	1.84
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	20	1.84	0.01	1.85
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	20	1.84	0.01	1.85
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	20	1.84	0.01	1.85

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	20	1.84	0.0	1.84
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	20	1.84	0.01	1.84
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	20	1.84	0.01	1.84
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	20	1.84	0.01	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	20	1.84	0.0	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	20	1.84	0.0	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	20	1.84	0.0	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	20	1.84	0.0	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	20	1.84	0.01	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	20	1.84	0.01	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	20	1.84	0.01	1.84
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	20	1.84	0.09	1.8
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	20	1.84	0.0	1.84
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	20	1.84	0.11	1.86
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	20	1.84	0.01	1.84
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	20	1.84	0.01	1.83
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	20	1.84	0.02	1.83
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	20	1.83	0.02	1.84
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	20	1.83	0.02	1.84
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	20	1.83	0.02	1.84
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	20	1.83	0.01	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	20	1.83	0.01	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	20	1.83	0.01	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	20	1.83	0.0	1.83
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	20	1.83	0.23	1.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	20	1.83	0.23	1.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	20	1.83	0.23	1.87
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	20	1.83	0.0	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	20	1.83	0.0	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	20	1.83	0.0	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	20	1.83	0.0	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	20	1.83	0.0	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	20	1.83	0.0	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	20	1.83	0.0	1.83
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	20	1.83	0.13	1.8
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	20	1.83	0.13	1.8
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	20	1.83	0.13	1.8
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	20	1.83	0.0	1.83
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	20	1.83	0.01	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	20	1.83	0.0	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	20	1.83	0.0	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	20	1.83	0.0	1.83

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	20	1.83	0.0	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	20	1.83	0.0	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	20	1.83	0.0	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	20	1.83	0.0	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	20	1.83	0.0	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	20	1.83	0.0	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	20	1.83	0.01	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	20	1.83	0.01	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	20	1.83	0.01	1.83
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	20	1.83	0.05	1.82
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	20	1.83	0.05	1.82
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	20	1.83	0.05	1.82
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	20	1.83	0.05	1.82
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	20	1.83	0.05	1.82
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	20	1.83	0.05	1.82
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	20	1.83	0.02	1.82
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	20	1.82	0.19	1.78
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	20	1.82	0.19	1.78
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	20	1.82	0.02	1.82
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	20	1.82	0.02	1.82
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	20	1.82	0.02	1.82
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	20	1.82	0.02	1.82
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	20	1.82	0.02	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	20	1.82	0.02	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	20	1.82	0.02	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	20	1.82	0.02	1.83
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	20	1.82	0.01	1.82
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	20	1.82	0.01	1.82
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	20	1.82	0.01	1.82
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	20	1.82	0.01	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	20	1.82	0.0	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	20	1.82	0.0	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	20	1.82	0.0	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	20	1.82	0.0	1.82
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	20	1.82	0.02	1.83
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	20	1.82	0.0	1.82
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	20	1.82	0.0	1.82
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	20	1.81	0.02	1.81
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	20	1.81	0.02	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	20	1.81	0.02	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	20	1.81	0.02	1.82
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	20	1.81	0.01	1.81

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	20	1.81	0.04	1.8
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	20	1.81	0.0	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	20	1.81	0.0	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	20	1.81	0.0	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	20	1.81	0.0	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	20	1.81	0.01	1.81
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	20	1.81	0.24	1.68
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	20	1.81	0.24	1.68
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	20	1.81	0.24	1.68
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	20	1.81	0.0	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	20	1.81	0.0	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	20	1.81	0.0	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	20	1.81	0.0	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	20	1.81	0.0	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	20	1.81	0.01	1.81
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	20	1.81	0.03	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	20	1.81	0.03	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	20	1.81	0.03	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	20	1.81	0.03	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	20	1.81	0.03	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	20	1.81	0.03	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	20	1.81	0.03	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	20	1.81	0.03	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	20	1.81	0.03	1.8
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	20	1.81	0.02	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	20	1.81	0.01	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	20	1.81	0.01	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	20	1.81	0.01	1.8
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	20	1.8	0.21	1.84
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	20	1.8	0.21	1.84
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	20	1.8	0.21	1.84
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	20	1.8	0.01	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	20	1.8	0.0	1.8
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	20	1.8	0.02	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	20	1.8	0.0	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	20	1.8	0.01	1.8
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	20	1.8	0.3	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	20	1.8	0.3	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	20	1.8	0.3	1.87
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	20	1.8	0.01	1.8
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	20	1.8	0.01	1.8
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	20	1.8	0.01	1.8

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	20	1.8	0.0	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	20	1.8	0.01	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	20	1.8	0.01	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	20	1.8	0.01	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	20	1.8	0.01	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	20	1.8	0.01	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	20	1.8	0.01	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	20	1.8	0.01	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	20	1.8	0.01	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	20	1.8	0.01	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	20	1.8	0.0	1.8
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	20	1.8	0.03	1.79
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	20	1.8	0.03	1.79
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	20	1.8	0.03	1.79
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	20	1.8	0.2	1.77
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	20	1.8	0.01	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	20	1.8	0.01	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	20	1.8	0.01	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	20	1.79	0.0	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	20	1.79	0.0	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	20	1.79	0.0	1.79
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	20	1.79	0.09	1.81
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	20	1.79	0.03	1.8
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	20	1.79	0.04	1.8
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	20	1.79	0.0	1.79
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	20	1.79	0.01	1.79
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	20	1.79	0.01	1.79
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	20	1.79	0.01	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	20	1.79	0.01	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	20	1.79	0.0	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	20	1.79	0.0	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	20	1.79	0.0	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	20	1.79	0.0	1.79
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	20	1.79	0.09	1.78
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	20	1.79	0.04	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	20	1.79	0.04	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	20	1.79	0.04	1.8
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	20	1.79	0.31	1.94
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	20	1.79	0.01	1.79
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	20	1.79	0.01	1.79
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	20	1.79	0.01	1.79
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	20	1.79	0.17	1.83

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	20	1.79	0.17	1.83
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	20	1.79	0.17	1.83
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	20	1.79	0.0	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	20	1.79	0.0	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	20	1.79	0.0	1.79
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	20	1.78	0.01	1.78
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	20	1.78	0.01	1.78
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	20	1.78	0.01	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	20	1.78	0.01	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	20	1.78	0.01	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	20	1.78	0.01	1.78
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	20	1.78	0.01	1.78
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	20	1.78	0.01	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	20	1.78	0.01	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	20	1.78	0.01	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	20	1.78	0.01	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	20	1.78	0.0	1.78
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	20	1.78	0.38	2.03
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	20	1.78	0.02	1.79
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	20	1.78	0.03	1.79
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	20	1.78	0.01	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	20	1.78	0.01	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	20	1.78	0.01	1.78
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	20	1.78	0.02	1.79
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	20	1.78	0.0	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	20	1.78	0.0	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	20	1.78	0.0	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	20	1.78	0.0	1.78
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	20	1.78	0.01	1.78
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	20	1.78	0.01	1.78
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	20	1.78	0.01	1.78
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	20	1.78	0.01	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	20	1.78	0.0	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	20	1.78	0.0	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	20	1.78	0.0	1.78
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	20	1.78	0.06	1.76
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	20	1.78	0.06	1.76
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	20	1.78	0.06	1.76
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	20	1.78	0.01	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	20	1.78	0.01	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	20	1.78	0.01	1.78
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	20	1.78	0.12	1.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	20	1.78	0.01	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	20	1.78	0.01	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	20	1.78	0.01	1.78
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	20	1.77	0.41	2.04
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	20	1.77	0.02	1.78
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	20	1.77	0.01	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	20	1.77	0.01	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	20	1.77	0.01	1.77
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	20	1.77	0.01	1.77
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	20	1.77	0.01	1.77
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	20	1.77	0.01	1.77
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	20	1.77	0.1	1.8
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	20	1.77	0.04	1.78
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	20	1.77	0.02	1.77
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	20	1.77	0.02	1.77
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	20	1.77	0.02	1.77
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	20	1.77	0.01	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	20	1.77	0.01	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	20	1.77	0.02	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	20	1.77	0.02	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	20	1.77	0.02	1.77
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	20	1.77	0.03	1.76
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	20	1.77	0.12	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	20	1.77	0.12	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	20	1.77	0.12	1.79
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	20	1.77	0.0	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	20	1.77	0.0	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	20	1.77	0.0	1.77
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	20	1.77	0.02	1.78
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	20	1.77	0.02	1.78
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	20	1.77	0.02	1.78
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	20	1.77	0.34	1.77
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	20	1.77	0.34	1.77
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	20	1.77	0.34	1.77
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	20	1.76	0.27	1.76
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	20	1.76	0.01	1.76
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	20	1.76	0.02	1.76
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	20	1.76	0.02	1.76
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	20	1.76	0.02	1.76
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	20	1.76	0.24	1.83
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	20	1.76	0.0	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	20	1.76	0.0	1.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	20	1.76	0.0	1.76
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	20	1.76	0.03	1.76
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	20	1.76	0.17	1.77
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	20	1.76	0.01	1.76
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	20	1.76	0.04	1.75
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	20	1.76	0.04	1.75
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	20	1.76	0.04	1.75
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	20	1.76	0.04	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	20	1.76	0.01	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	20	1.76	0.01	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	20	1.76	0.01	1.76
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	20	1.76	0.03	1.76
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	20	1.76	0.03	1.76
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	20	1.76	0.03	1.76
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	20	1.75	0.01	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	20	1.75	0.01	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	20	1.75	0.01	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	20	1.75	0.02	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	20	1.75	0.02	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	20	1.75	0.02	1.75
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	20	1.75	0.03	1.74
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	20	1.75	0.08	1.76
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	20	1.75	0.06	1.74
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	20	1.75	0.06	1.74
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	20	1.75	0.06	1.74
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	20	1.75	0.33	1.86
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	20	1.75	0.33	1.86
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	20	1.75	0.33	1.86
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	20	1.75	0.02	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	20	1.75	0.02	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	20	1.75	0.02	1.76
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	20	1.75	0.0	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	20	1.75	0.0	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	20	1.75	0.0	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	20	1.75	0.0	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	20	1.75	0.0	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	20	1.75	0.0	1.75
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	20	1.75	0.03	1.75
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	20	1.75	0.02	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	20	1.75	0.01	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	20	1.75	0.01	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	20	1.75	0.01	1.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	20	1.75	0.49	1.34
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	20	1.75	0.02	1.75
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	20	1.75	0.04	1.73
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	20	1.75	0.04	1.73
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	20	1.75	0.04	1.73
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	20	1.75	0.04	1.73
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	20	1.75	0.04	1.73
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	20	1.75	0.04	1.73
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	20	1.74	0.2	1.81
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	20	1.74	0.08	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	20	1.74	0.01	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	20	1.74	0.0	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	20	1.74	0.0	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	20	1.74	0.0	1.74
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	20	1.74	0.02	1.74
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	20	1.74	0.02	1.74
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	20	1.74	0.02	1.74
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	20	1.74	0.02	1.74
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	20	1.74	0.02	1.74
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	20	1.74	0.02	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	20	1.74	0.01	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	20	1.74	0.01	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	20	1.74	0.01	1.74
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	20	1.74	0.02	1.74
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	20	1.74	0.02	1.74
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	20	1.74	0.02	1.74
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	20	1.74	0.05	1.74
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	20	1.74	0.05	1.74
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	20	1.74	0.05	1.74
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	20	1.74	0.09	1.77
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	20	1.74	0.01	1.74
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	20	1.73	0.03	1.74
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	20	1.73	0.03	1.74
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	20	1.73	0.03	1.74
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	20	1.73	0.02	1.74
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	20	1.73	0.6	2.22
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	20	1.73	0.0	1.73
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	20	1.73	0.3	1.96
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	20	1.73	0.0	1.73
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	20	1.73	0.02	1.72
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	20	1.73	0.02	1.72
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	20	1.73	0.02	1.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	20	1.73	0.12	1.78
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	20	1.73	0.22	1.62
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	20	1.73	0.6	2.04
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	20	1.73	0.04	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	20	1.73	0.04	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	20	1.73	0.04	1.74
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	20	1.73	0.33	1.92
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	20	1.73	0.01	1.72
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	20	1.72	0.03	1.72
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	20	1.72	0.02	1.72
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	20	1.72	0.06	1.71
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	20	1.72	0.06	1.71
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	20	1.72	0.06	1.71
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	20	1.72	0.04	1.73
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	20	1.72	0.04	1.73
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	20	1.72	0.04	1.73
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	20	1.72	0.04	1.73
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	20	1.72	0.04	1.73
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	20	1.72	0.04	1.73
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	20	1.72	0.02	1.73
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	20	1.72	0.01	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	20	1.72	0.0	1.72
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	20	1.72	0.07	1.72
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	20	1.72	0.07	1.72
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	20	1.72	0.07	1.72
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	20	1.72	0.2	1.72
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	20	1.71	0.01	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	20	1.71	0.01	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	20	1.71	0.01	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	20	1.71	0.0	1.71
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	20	1.71	0.05	1.72
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	20	1.71	0.0	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	20	1.71	0.0	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	20	1.71	0.0	1.71
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	20	1.71	0.02	1.7
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	20	1.71	0.0	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	20	1.71	0.0	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	20	1.71	0.0	1.71
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	20	1.71	0.01	1.7
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	20	1.71	0.02	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	20	1.71	0.01	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	20	1.71	0.01	1.71

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	20	1.71	0.01	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	20	1.71	0.01	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	20	1.71	0.01	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	20	1.71	0.01	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	20	1.71	0.01	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	20	1.71	0.01	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	20	1.71	0.01	1.71
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	20	1.71	0.05	1.72
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	20	1.71	0.05	1.72
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	20	1.71	0.03	1.72
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	20	1.71	0.01	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	20	1.71	0.0	1.71
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	20	1.71	0.02	1.71
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	20	1.71	0.02	1.71
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	20	1.71	0.02	1.71
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	20	1.71	0.04	1.71
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	20	1.71	0.04	1.71
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	20	1.71	0.04	1.71
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	20	1.71	0.02	1.7
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	20	1.71	0.45	1.98
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	20	1.7	0.01	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	20	1.7	0.01	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	20	1.7	0.01	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	20	1.7	0.0	1.7
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	20	1.7	0.2	1.75
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	20	1.7	0.2	1.75
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	20	1.7	0.2	1.75
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	20	1.7	0.02	1.71
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	20	1.7	0.02	1.71
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	20	1.7	0.02	1.71
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	20	1.7	0.02	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	20	1.7	0.0	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	20	1.7	0.0	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	20	1.7	0.0	1.7
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	20	1.7	0.01	1.7
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	20	1.7	0.01	1.7
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	20	1.7	0.01	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	20	1.7	0.01	1.7
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	20	1.7	0.15	1.76
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	20	1.7	0.0	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	20	1.7	0.0	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	20	1.7	0.0	1.7

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	20	1.7	0.0	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	20	1.7	0.0	1.7
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	20	1.7	0.02	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	20	1.7	0.01	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	20	1.7	0.01	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	20	1.7	0.01	1.7
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	20	1.7	0.02	1.7
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	20	1.7	0.02	1.7
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	20	1.7	0.02	1.7
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	20	1.7	0.02	1.7
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	20	1.7	0.02	1.69
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	20	1.7	0.14	1.78
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	20	1.7	0.03	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	20	1.7	0.03	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	20	1.7	0.03	1.68
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	20	1.7	0.03	1.71
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	20	1.69	0.0	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	20	1.69	0.0	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	20	1.69	0.0	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	20	1.69	0.0	1.69
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	20	1.69	0.02	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	20	1.69	0.0	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	20	1.69	0.0	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	20	1.69	0.0	1.69
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	20	1.69	0.01	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	20	1.69	0.06	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	20	1.69	0.06	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	20	1.69	0.06	1.69
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	20	1.69	0.3	1.86
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	20	1.69	0.3	1.86
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	20	1.69	0.3	1.86
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	20	1.69	0.02	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	20	1.69	0.02	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	20	1.69	0.02	1.69
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	20	1.69	0.01	1.69
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	20	1.69	0.01	1.69
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	20	1.69	0.01	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	20	1.69	0.0	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	20	1.69	0.0	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	20	1.69	0.0	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	20	1.69	0.0	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	20	1.69	0.01	1.69

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	20	1.69	0.01	1.69
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	20	1.69	0.03	1.69
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	20	1.69	0.03	1.69
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	20	1.69	0.03	1.69
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	20	1.68	0.01	1.68
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	20	1.68	0.01	1.68
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	20	1.68	0.01	1.68
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	20	1.68	0.03	1.68
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	20	1.68	0.03	1.68
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	20	1.68	0.03	1.68
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	20	1.68	0.03	1.67
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	20	1.68	0.01	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	20	1.68	0.01	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	20	1.68	0.01	1.68
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	20	1.68	0.04	1.67
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	20	1.68	0.04	1.67
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	20	1.68	0.04	1.67
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	20	1.68	0.06	1.68
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	20	1.68	0.02	1.68
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	20	1.68	0.03	1.67
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	20	1.68	0.03	1.67
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	20	1.68	0.03	1.67
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	20	1.68	0.03	1.67
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	20	1.68	0.03	1.67
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	20	1.68	0.03	1.67
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	20	1.68	0.0	1.68
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	20	1.68	0.09	1.64
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	20	1.68	0.27	1.54
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	20	1.68	0.01	1.68
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	20	1.68	0.03	1.67
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	20	1.68	0.03	1.67
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	20	1.68	0.03	1.67
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	20	1.68	0.0	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	20	1.68	0.0	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	20	1.68	0.0	1.68
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	20	1.68	0.23	1.65
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	20	1.68	0.23	1.65
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	20	1.68	0.23	1.65
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	20	1.68	0.0	1.68
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	20	1.68	0.01	1.67
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	20	1.68	0.01	1.67
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	20	1.68	0.01	1.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	20	1.68	0.42	1.78
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	20	1.67	0.02	1.67
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	20	1.67	0.05	1.67
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	20	1.67	0.23	1.72
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	20	1.67	0.23	1.72
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	20	1.67	0.05	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	20	1.67	0.0	1.67
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	20	1.67	0.01	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	20	1.67	0.0	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	20	1.67	0.0	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	20	1.67	0.0	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	20	1.67	0.0	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	20	1.67	0.0	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	20	1.67	0.0	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	20	1.67	0.0	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	20	1.67	0.0	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	20	1.67	0.0	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	20	1.67	0.0	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	20	1.67	0.0	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	20	1.67	0.0	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	20	1.67	0.0	1.67
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	20	1.67	0.01	1.67
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	20	1.67	0.05	1.68
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	20	1.67	0.0	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	20	1.67	0.0	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	20	1.67	0.0	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	20	1.67	0.0	1.67
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	20	1.67	0.28	1.88
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	20	1.67	0.0	1.67
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	20	1.67	0.01	1.66
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	20	1.67	0.04	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	20	1.67	0.0	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	20	1.67	0.0	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	20	1.67	0.0	1.67
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	20	1.67	0.03	1.66
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	20	1.67	0.16	1.64
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	20	1.67	0.02	1.67
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	20	1.66	0.01	1.66
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	20	1.66	0.15	1.72
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	20	1.66	0.59	2.06
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	20	1.66	0.0	1.66
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	20	1.66	0.05	1.66

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	20	1.66	0.05	1.66
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	20	1.66	0.05	1.66
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	20	1.66	0.02	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	20	1.66	0.0	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	20	1.66	0.0	1.66
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	20	1.66	0.6	1.98
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	20	1.66	0.0	1.66
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	20	1.66	0.49	1.6
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	20	1.66	0.04	1.67
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	20	1.66	0.04	1.67
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	20	1.66	0.04	1.67
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	20	1.66	0.03	1.67
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	20	1.66	0.03	1.67
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	20	1.66	0.03	1.67
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	20	1.66	0.03	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	20	1.66	0.03	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	20	1.66	0.03	1.64
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	20	1.66	0.11	1.68
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	20	1.66	0.03	1.66
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	20	1.65	0.01	1.65
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	20	1.65	0.17	1.61
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	20	1.65	0.04	1.64
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	20	1.65	0.26	1.7
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	20	1.65	0.01	1.65
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	20	1.65	0.19	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	20	1.65	0.19	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	20	1.65	0.19	1.76
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	20	1.65	0.12	1.67
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	20	1.65	0.12	1.67
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	20	1.65	0.12	1.67
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	20	1.65	0.01	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	20	1.65	0.01	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	20	1.65	0.01	1.65
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	20	1.65	0.02	1.65
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	20	1.65	0.02	1.65
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	20	1.65	0.02	1.65
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	20	1.65	0.07	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	20	1.65	0.02	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	20	1.65	0.02	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	20	1.65	0.02	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	20	1.65	0.0	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	20	1.65	0.0	1.65

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	20	1.65	0.0	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	20	1.65	0.0	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	20	1.65	0.0	1.65
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	20	1.65	0.02	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	20	1.65	0.0	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	20	1.65	0.0	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	20	1.65	0.0	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	20	1.65	0.0	1.65
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	20	1.65	0.03	1.65
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	20	1.65	0.03	1.65
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	20	1.65	0.03	1.65
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	20	1.65	0.03	1.65
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	20	1.64	0.01	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	20	1.64	0.01	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	20	1.64	0.01	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	20	1.64	0.01	1.64
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	20	1.64	0.13	1.65
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	20	1.64	0.02	1.64
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	20	1.64	0.45	1.54
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	20	1.64	0.01	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	20	1.64	0.01	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	20	1.64	0.01	1.64
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	20	1.64	0.03	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	20	1.64	0.0	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	20	1.64	0.0	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	20	1.64	0.0	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	20	1.64	0.0	1.64
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	20	1.64	0.08	1.66
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	20	1.64	0.0	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	20	1.64	0.01	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	20	1.64	0.01	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	20	1.64	0.01	1.64
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	20	1.64	0.02	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	20	1.64	0.02	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	20	1.64	0.02	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	20	1.64	0.02	1.64
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	20	1.64	0.58	1.96
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	20	1.64	0.01	1.63
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	20	1.64	0.01	1.64
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	20	1.64	0.05	1.63
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	20	1.64	0.05	1.63
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	20	1.64	0.05	1.63

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	20	1.64	0.03	1.63
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	20	1.64	0.03	1.63
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	20	1.64	0.03	1.63
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	20	1.64	0.03	1.63
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	20	1.64	0.03	1.63
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	20	1.64	0.03	1.63
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	20	1.63	0.01	1.63
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	20	1.63	0.18	1.54
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	20	1.63	0.5	1.83
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	20	1.63	0.5	1.83
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	20	1.63	0.5	1.83
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	20	1.63	0.57	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	20	1.63	0.57	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	20	1.63	0.57	1.31
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	20	1.63	0.0	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	20	1.63	0.0	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	20	1.63	0.0	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	20	1.63	0.0	1.63
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	20	1.63	0.64	2.11
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	20	1.63	0.01	1.63
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	20	1.63	0.01	1.63
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	20	1.63	0.01	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	20	1.63	0.0	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	20	1.63	0.0	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	20	1.63	0.0	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	20	1.63	0.0	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	20	1.63	0.01	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	20	1.63	0.01	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	20	1.63	0.01	1.63
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	20	1.63	0.04	1.63
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	20	1.63	0.19	1.67
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	20	1.63	0.07	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	20	1.63	0.01	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	20	1.63	0.01	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	20	1.63	0.01	1.63
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	20	1.62	0.55	1.9
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	20	1.62	0.05	1.63
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	20	1.62	0.07	1.65
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	20	1.62	0.04	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	20	1.62	0.01	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	20	1.62	0.01	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	20	1.62	0.01	1.62

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	20	1.62	0.05	1.61
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	20	1.62	0.32	1.56
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	20	1.62	0.32	1.56
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	20	1.62	0.32	1.56
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	20	1.62	0.02	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	20	1.62	0.0	1.62
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	20	1.62	0.07	1.61
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	20	1.62	0.03	1.63
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	20	1.62	0.0	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	20	1.62	0.0	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	20	1.62	0.0	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	20	1.62	0.0	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	20	1.62	0.0	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	20	1.62	0.0	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	20	1.62	0.0	1.62
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	20	1.62	0.01	1.62
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	20	1.62	0.16	1.58
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	20	1.62	0.03	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	20	1.62	0.03	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	20	1.62	0.03	1.63
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	20	1.62	0.01	1.62
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	20	1.62	0.03	1.62
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	20	1.61	0.02	1.61
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	20	1.61	0.02	1.61
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	20	1.61	0.02	1.61
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	20	1.61	0.02	1.61
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	20	1.61	0.03	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	20	1.61	0.0	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	20	1.61	0.0	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	20	1.61	0.0	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	20	1.61	0.0	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	20	1.61	0.0	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	20	1.61	0.0	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	20	1.61	0.0	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	20	1.61	0.0	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	20	1.61	0.0	1.61
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	20	1.61	0.45	1.31
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	20	1.61	0.03	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	20	1.61	0.0	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	20	1.61	0.0	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	20	1.61	0.0	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	20	1.61	0.0	1.61

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	20	1.61	0.0	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	20	1.61	0.0	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	20	1.61	0.0	1.61
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	20	1.61	0.57	1.98
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	20	1.61	0.0	1.61
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	20	1.61	0.05	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	20	1.61	0.01	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	20	1.61	0.01	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	20	1.61	0.01	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	20	1.61	0.0	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	20	1.61	0.0	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	20	1.61	0.0	1.61
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	20	1.6	0.02	1.6
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	20	1.6	0.04	1.62
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	20	1.6	0.04	1.62
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	20	1.6	0.04	1.62
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	20	1.6	0.04	1.62
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	20	1.6	0.04	1.62
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	20	1.6	0.04	1.62
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	20	1.6	0.04	1.62
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	20	1.6	0.04	1.62
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	20	1.6	0.04	1.62
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	20	1.6	0.01	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	20	1.6	0.0	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	20	1.6	0.0	1.6
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	20	1.6	0.01	1.6
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	20	1.6	0.01	1.6
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	20	1.6	0.01	1.6
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	20	1.6	0.04	1.61
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	20	1.6	0.01	1.6
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	20	1.6	0.05	1.61
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	20	1.6	0.01	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	20	1.6	0.01	1.6
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	20	1.6	0.6	1.84
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	20	1.6	0.0	1.6
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	20	1.6	0.01	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	20	1.6	0.0	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	20	1.6	0.0	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	20	1.6	0.0	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	20	1.6	0.0	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	20	1.6	0.0	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	20	1.6	0.0	1.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	20	1.6	0.0	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	20	1.6	0.01	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	20	1.6	0.01	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	20	1.6	0.01	1.6
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	20	1.6	0.05	1.63
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	20	1.6	0.02	1.6
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	20	1.6	0.04	1.59
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	20	1.6	0.05	1.59
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	20	1.6	0.05	1.59
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	20	1.6	0.05	1.59
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	20	1.6	0.0	1.6
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	20	1.6	0.27	1.67
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	20	1.6	0.01	1.6
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	20	1.6	0.01	1.6
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	20	1.6	0.01	1.6
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	20	1.59	0.42	1.88
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	20	1.59	0.42	1.88
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	20	1.59	0.42	1.88
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	20	1.59	0.03	1.6
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	20	1.59	0.03	1.6
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	20	1.59	0.03	1.6
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	20	1.59	0.03	1.6
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	20	1.59	0.01	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	20	1.59	0.01	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	20	1.59	0.01	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	20	1.59	0.0	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	20	1.59	0.0	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	20	1.59	0.0	1.59
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	20	1.59	0.05	1.57
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	20	1.59	0.58	2.02
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	20	1.59	0.01	1.59
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	20	1.59	0.79	2.12
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	20	1.59	0.04	1.59
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	20	1.59	0.04	1.59
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	20	1.59	0.04	1.59
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	20	1.58	0.02	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	20	1.58	0.02	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	20	1.58	0.02	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	20	1.58	0.02	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	20	1.58	0.02	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	20	1.58	0.02	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	20	1.58	0.02	1.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	20	1.58	0.02	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	20	1.58	0.02	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	20	1.58	0.0	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	20	1.58	0.0	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	20	1.58	0.0	1.58
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	20	1.58	0.07	1.61
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	20	1.58	0.01	1.58
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	20	1.58	0.09	1.6
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	20	1.58	0.0	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	20	1.58	0.0	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	20	1.58	0.0	1.58
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	20	1.58	0.16	1.63
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	20	1.58	0.02	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	20	1.58	0.0	1.58
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	20	1.58	0.04	1.58
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	20	1.58	0.01	1.58
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	20	1.58	0.01	1.58
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	20	1.58	0.01	1.58
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	20	1.58	0.27	1.77
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	20	1.58	0.06	1.59
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	20	1.58	0.06	1.59
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	20	1.58	0.06	1.59
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	20	1.58	0.03	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	20	1.58	0.03	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	20	1.58	0.03	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	20	1.58	0.03	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	20	1.58	0.03	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	20	1.58	0.03	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	20	1.58	0.03	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	20	1.58	0.03	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	20	1.58	0.03	1.57
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	20	1.58	0.01	1.58
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	20	1.58	0.47	1.34
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	20	1.58	0.32	1.6
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	20	1.58	0.4	1.45
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	20	1.58	0.4	1.45
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	20	1.58	0.4	1.45
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	20	1.58	0.01	1.58
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	20	1.57	0.44	1.76
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	20	1.57	0.01	1.57
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	20	1.57	0.03	1.58
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	20	1.57	0.03	1.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	20	1.57	0.03	1.58
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	20	1.57	0.0	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	20	1.57	0.0	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	20	1.57	0.0	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	20	1.57	0.0	1.57
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	20	1.57	0.01	1.57
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	20	1.57	0.32	1.75
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	20	1.57	0.0	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	20	1.57	0.0	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	20	1.57	0.0	1.57
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	20	1.57	0.04	1.58
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	20	1.57	0.02	1.57
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	20	1.57	0.02	1.58
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	20	1.57	0.04	1.56
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	20	1.57	0.0	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	20	1.57	0.0	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	20	1.57	0.0	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	20	1.57	0.0	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	20	1.57	0.0	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	20	1.57	0.0	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	20	1.57	0.0	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	20	1.57	0.0	1.57
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	20	1.57	0.01	1.57
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	20	1.57	0.02	1.56
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	20	1.57	0.0	1.57
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	20	1.56	0.01	1.56
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	20	1.56	0.0	1.56
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	20	1.56	0.01	1.56
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	20	1.56	0.01	1.56
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	20	1.56	0.01	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	20	1.56	0.01	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	20	1.56	0.01	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	20	1.56	0.01	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	20	1.56	0.0	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	20	1.56	0.0	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	20	1.56	0.0	1.56
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	20	1.56	0.02	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	20	1.56	0.0	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	20	1.56	0.01	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	20	1.56	0.0	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	20	1.56	0.0	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	20	1.56	0.0	1.56

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	20	1.56	0.02	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	20	1.56	0.02	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	20	1.56	0.02	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	20	1.56	0.06	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	20	1.56	0.06	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	20	1.56	0.06	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	20	1.56	0.01	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	20	1.56	0.0	1.56
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	20	1.56	0.09	1.58
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	20	1.56	0.0	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	20	1.56	0.0	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	20	1.56	0.0	1.56
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	20	1.55	0.01	1.56
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	20	1.55	0.0	1.55
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	20	1.55	0.03	1.55
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	20	1.55	0.02	1.55
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	20	1.55	0.03	1.56
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	20	1.55	0.01	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	20	1.55	0.0	1.55
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	20	1.55	0.01	1.55
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	20	1.55	0.03	1.54
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	20	1.55	0.03	1.54
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	20	1.55	0.03	1.54
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	20	1.55	0.06	1.56
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	20	1.55	0.01	1.54
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	20	1.55	0.01	1.54
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	20	1.54	0.0	1.54
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	20	1.54	0.41	1.54
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	20	1.54	0.09	1.52
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	20	1.54	0.22	1.54
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	20	1.54	0.11	1.56
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	20	1.54	0.11	1.58
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	20	1.54	0.0	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	20	1.54	0.0	1.54
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	20	1.54	0.04	1.55
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	20	1.54	0.04	1.55
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	20	1.54	0.04	1.55
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	20	1.54	0.01	1.54
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	20	1.54	0.06	1.5
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	20	1.54	0.06	1.5
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	20	1.54	0.02	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	20	1.54	0.02	1.54

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	20	1.54	0.02	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	20	1.54	0.0	1.54
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	20	1.54	0.53	1.72
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	20	1.54	0.05	1.53
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	20	1.54	0.05	1.53
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	20	1.54	0.05	1.53
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	20	1.54	0.01	1.53
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	20	1.54	0.01	1.54
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	20	1.54	0.01	1.54
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	20	1.54	0.01	1.54
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	20	1.54	0.02	1.53
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	20	1.54	0.02	1.53
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	20	1.54	0.02	1.53
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	20	1.53	0.03	1.53
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	20	1.53	0.03	1.53
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	20	1.53	0.03	1.53
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	20	1.53	0.56	1.28
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	20	1.53	0.07	1.5
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	20	1.53	0.15	1.54
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	20	1.53	0.22	1.58
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	20	1.53	0.0	1.53
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	20	1.53	0.01	1.53
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	20	1.53	0.01	1.53
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	20	1.53	0.05	1.54
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	20	1.53	0.01	1.53
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	20	1.53	0.17	1.56
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	20	1.53	0.17	1.56
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	20	1.53	0.17	1.56
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	20	1.53	0.01	1.52
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	20	1.53	0.01	1.52
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	20	1.53	0.02	1.53
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	20	1.53	0.02	1.54
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	20	1.52	0.01	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	20	1.52	0.01	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	20	1.52	0.01	1.52
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	20	1.52	0.18	1.57
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	20	1.52	0.18	1.57
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	20	1.52	0.18	1.57
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	20	1.52	0.02	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	20	1.52	0.0	1.52
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	20	1.52	0.03	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	20	1.52	0.03	1.53

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	20	1.52	0.03	1.53
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	20	1.52	0.02	1.52
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	20	1.52	0.03	1.52
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	20	1.52	0.48	1.68
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	20	1.52	0.21	1.6
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	20	1.52	0.0	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	20	1.52	0.0	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	20	1.52	0.0	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	20	1.52	0.0	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	20	1.52	0.02	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	20	1.52	0.02	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	20	1.52	0.02	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	20	1.52	0.02	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	20	1.52	0.02	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	20	1.52	0.02	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	20	1.52	0.02	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	20	1.52	0.02	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	20	1.52	0.02	1.52
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	20	1.52	0.24	1.46
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	20	1.52	0.02	1.52
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	20	1.52	0.66	1.76
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	20	1.52	0.2	1.47
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	20	1.52	0.02	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	20	1.52	0.0	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	20	1.52	0.0	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	20	1.52	0.0	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	20	1.52	0.0	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	20	1.52	0.0	1.52
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	20	1.52	0.0	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	20	1.52	0.0	1.52
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	20	1.52	0.14	1.55
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	20	1.52	0.01	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	20	1.52	0.02	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	20	1.52	0.02	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	20	1.52	0.02	1.52
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	20	1.51	0.01	1.51
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	20	1.51	0.01	1.51
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	20	1.51	0.01	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	20	1.51	0.0	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	20	1.51	0.0	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	20	1.51	0.0	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	20	1.51	0.0	1.51

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	20	1.51	0.41	1.34
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	20	1.51	0.03	1.52
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	20	1.51	0.03	1.52
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	20	1.51	0.03	1.52
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	20	1.51	0.04	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	20	1.51	0.0	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	20	1.51	0.0	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	20	1.51	0.0	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	20	1.51	0.0	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	20	1.51	0.0	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	20	1.51	0.0	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	20	1.51	0.0	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	20	1.51	0.0	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	20	1.51	0.0	1.51
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	20	1.51	0.18	1.42
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	20	1.51	0.01	1.5
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	20	1.51	0.01	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	20	1.51	0.01	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	20	1.51	0.01	1.51
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	20	1.51	0.02	1.51
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	20	1.51	0.05	1.5
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	20	1.51	0.01	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	20	1.51	0.0	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	20	1.51	0.0	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	20	1.51	0.0	1.51
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	20	1.5	0.04	1.5
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	20	1.5	0.03	1.5
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	20	1.5	0.35	1.19
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	20	1.5	0.23	1.54
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	20	1.5	0.02	1.51
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	20	1.5	0.01	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	20	1.5	0.01	1.5
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	20	1.5	0.02	1.5
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	20	1.5	0.02	1.5
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	20	1.5	0.02	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	20	1.5	0.01	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	20	1.5	0.01	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	20	1.5	0.01	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	20	1.5	0.0	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	20	1.5	0.0	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	20	1.5	0.0	1.5
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	20	1.5	0.37	1.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	20	1.5	0.0	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	20	1.5	0.0	1.5
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	20	1.5	0.36	1.62
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	20	1.5	0.01	1.5
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	20	1.5	0.02	1.49
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	20	1.5	0.5	1.66
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	20	1.5	0.02	1.5
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	20	1.5	0.01	1.5
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	20	1.5	0.01	1.5
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	20	1.5	0.01	1.5
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	20	1.49	0.06	1.47
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	20	1.49	0.6	1.02
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	20	1.49	0.21	1.56
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	20	1.49	0.21	1.56
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	20	1.49	0.21	1.56
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	20	1.49	0.07	1.46
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	20	1.49	0.01	1.5
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	20	1.49	0.29	1.25
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	20	1.49	0.0	1.49
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	20	1.49	0.21	1.37
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	20	1.49	0.02	1.49
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	20	1.49	0.01	1.49
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	20	1.49	0.01	1.49
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	20	1.49	0.01	1.49
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	20	1.49	0.02	1.48
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	20	1.49	0.02	1.48
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	20	1.49	0.01	1.49
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	20	1.49	0.01	1.49
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	20	1.49	0.01	1.49
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	20	1.48	0.69	1.2
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	20	1.48	0.69	1.2
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	20	1.48	0.69	1.2
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	20	1.48	0.01	1.49
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	20	1.48	0.69	1.15
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	20	1.48	0.04	1.49
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	20	1.48	0.01	1.49
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	20	1.48	0.06	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	20	1.48	0.0	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	20	1.48	0.0	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	20	1.48	0.0	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	20	1.48	0.0	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	20	1.48	0.0	1.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	20	1.48	0.0	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	20	1.48	0.0	1.48
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	20	1.48	0.03	1.48
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	20	1.48	0.03	1.48
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	20	1.48	0.03	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	20	1.48	0.0	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	20	1.48	0.0	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	20	1.48	0.0	1.48
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	20	1.48	0.03	1.47
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	20	1.48	0.09	1.47
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	20	1.48	0.16	1.53
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	20	1.48	0.02	1.48
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	20	1.48	0.01	1.48
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	20	1.48	0.03	1.47
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	20	1.48	0.03	1.47
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	20	1.48	0.03	1.47
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	20	1.48	0.03	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	20	1.48	0.03	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	20	1.48	0.03	1.48
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	20	1.48	0.01	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	20	1.48	0.0	1.48
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	20	1.48	0.28	1.59
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	20	1.47	0.0	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	20	1.47	0.01	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	20	1.47	0.01	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	20	1.47	0.01	1.47
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	20	1.47	0.25	1.42
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	20	1.47	0.25	1.42
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	20	1.47	0.25	1.42
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	20	1.47	0.01	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	20	1.47	0.0	1.47
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	20	1.47	0.48	1.58
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	20	1.47	0.3	1.64
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	20	1.47	0.2	1.37
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	20	1.47	0.2	1.37
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	20	1.47	0.2	1.37
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	20	1.47	0.04	1.48
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	20	1.47	0.01	1.47
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	20	1.47	0.01	1.47
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	20	1.47	0.01	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	20	1.47	0.0	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	20	1.47	0.0	1.47

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	20	1.47	0.01	1.47
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	20	1.47	0.23	1.58
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	20	1.47	0.02	1.46
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	20	1.47	0.02	1.46
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	20	1.47	0.02	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	20	1.47	0.01	1.46
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	20	1.46	0.03	1.46
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	20	1.46	0.02	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	20	1.46	0.01	1.46
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	20	1.46	0.01	1.46
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	20	1.46	0.17	1.48
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	20	1.46	0.16	1.5
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	20	1.46	0.16	1.5
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	20	1.46	0.16	1.5
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	20	1.46	0.52	1.28
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	20	1.46	0.01	1.46
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	20	1.46	0.02	1.46
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	20	1.46	0.02	1.46
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	20	1.46	0.02	1.46
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	20	1.46	0.27	1.65
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	20	1.46	0.02	1.46
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	20	1.46	0.02	1.46
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	20	1.46	0.02	1.46
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	20	1.46	0.07	1.44
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	20	1.46	0.03	1.46
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	20	1.46	0.02	1.46
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	20	1.46	0.01	1.46
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	20	1.46	0.01	1.46
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	20	1.46	0.01	1.46
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	20	1.45	0.57	1.4
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	20	1.45	0.11	1.51
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	20	1.45	0.56	1.03
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	20	1.45	0.03	1.44
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	20	1.45	0.01	1.46
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	20	1.45	0.01	1.45
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	20	1.45	0.04	1.46
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	20	1.45	0.4	1.33
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	20	1.45	0.4	1.33
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	20	1.45	0.4	1.33
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	20	1.45	0.25	1.58
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	20	1.45	0.01	1.45
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	20	1.45	0.42	1.62

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	20	1.45	0.14	1.5
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	20	1.45	0.0	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	20	1.45	0.0	1.45
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	20	1.45	0.25	1.56
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	20	1.45	0.25	1.56
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	20	1.45	0.25	1.56
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	20	1.45	0.01	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	20	1.45	0.01	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	20	1.45	0.01	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	20	1.45	0.01	1.44
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	20	1.44	0.04	1.45
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	20	1.44	0.03	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	20	1.44	0.0	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	20	1.44	0.0	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	20	1.44	0.0	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	20	1.44	0.0	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	20	1.44	0.0	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	20	1.44	0.0	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	20	1.44	0.0	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	20	1.44	0.0	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	20	1.44	0.0	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	20	1.44	0.0	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	20	1.44	0.0	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	20	1.44	0.0	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	20	1.44	0.0	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	20	1.44	0.0	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	20	1.44	0.0	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	20	1.44	0.0	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	20	1.44	0.0	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	20	1.44	0.0	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	20	1.44	0.0	1.44
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	20	1.44	0.01	1.44
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	20	1.44	0.08	1.44
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	20	1.44	0.04	1.44
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	20	1.44	0.26	1.23
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	20	1.44	0.01	1.44
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	20	1.44	0.01	1.44
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	20	1.44	0.01	1.44
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	20	1.44	0.02	1.44
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	20	1.44	0.02	1.44
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	20	1.44	0.19	1.48
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	20	1.44	0.07	1.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	20	1.44	0.01	1.44
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	20	1.44	0.01	1.44
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	20	1.43	0.01	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	20	1.43	0.01	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	20	1.43	0.01	1.43
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	20	1.43	0.04	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	20	1.43	0.04	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	20	1.43	0.04	1.46
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	20	1.43	0.01	1.43
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	20	1.43	0.06	1.44
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	20	1.43	0.06	1.44
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	20	1.43	0.06	1.44
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	20	1.43	0.0	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	20	1.43	0.0	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	20	1.43	0.0	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	20	1.43	0.01	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	20	1.43	0.01	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	20	1.43	0.01	1.43
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	20	1.43	0.03	1.44
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	20	1.42	0.01	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	20	1.42	0.01	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	20	1.42	0.01	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	20	1.42	0.01	1.43
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	20	1.42	0.0	1.42
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	20	1.42	0.01	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	20	1.42	0.0	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	20	1.42	0.0	1.42
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	20	1.42	0.0	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	20	1.42	0.01	1.42
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	20	1.42	0.01	1.42
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	20	1.42	0.09	1.43
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	20	1.42	0.01	1.42
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	20	1.42	0.01	1.42
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	20	1.42	0.01	1.42
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	20	1.42	0.01	1.42
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	20	1.42	0.08	1.4
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	20	1.42	0.08	1.4
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	20	1.42	0.08	1.4
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	20	1.42	0.04	1.43
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	20	1.42	0.02	1.42
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	20	1.42	0.01	1.42
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	20	1.42	0.04	1.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	20	1.42	0.03	1.42
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	20	1.42	0.01	1.42
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	20	1.42	0.08	1.38
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	20	1.42	0.08	1.38
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	20	1.42	0.08	1.38
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	20	1.42	0.02	1.41
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	20	1.42	0.47	1.76
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	20	1.41	0.01	1.41
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	20	1.41	0.22	1.41
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	20	1.41	0.04	1.42
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	20	1.41	0.04	1.42
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	20	1.41	0.04	1.42
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	20	1.41	0.01	1.41
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	20	1.41	0.11	1.43
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	20	1.41	0.26	1.36
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	20	1.41	0.26	1.36
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	20	1.41	0.26	1.36
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	20	1.41	0.0	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	20	1.41	0.0	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	20	1.41	0.0	1.41
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	20	1.41	0.01	1.42
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	20	1.41	0.01	1.42
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	20	1.41	0.01	1.42
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	20	1.41	0.02	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	20	1.41	0.0	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	20	1.41	0.0	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	20	1.41	0.0	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	20	1.41	0.01	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	20	1.41	0.01	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	20	1.41	0.01	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	20	1.41	0.0	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	20	1.41	0.01	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	20	1.41	0.0	1.41
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	20	1.41	0.02	1.4
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	20	1.41	0.01	1.41
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	20	1.41	0.04	1.4
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	20	1.41	0.32	1.58
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	20	1.41	0.32	1.58
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	20	1.41	0.32	1.58
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	20	1.41	0.09	1.43
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	20	1.41	0.09	1.43
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	20	1.41	0.09	1.43

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	20	1.41	0.02	1.4
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	20	1.41	0.27	1.6
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	20	1.41	0.02	1.41
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	20	1.41	0.02	1.41
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	20	1.41	0.02	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	20	1.41	0.01	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	20	1.41	0.01	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	20	1.41	0.01	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	20	1.41	0.0	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	20	1.41	0.0	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	20	1.41	0.0	1.41
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	20	1.4	0.25	1.4
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	20	1.4	0.17	1.4
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	20	1.4	0.3	1.63
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	20	1.4	0.0	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	20	1.4	0.0	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	20	1.4	0.0	1.4
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	20	1.4	0.04	1.4
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	20	1.4	0.04	1.4
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	20	1.4	0.01	1.4
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	20	1.4	0.03	1.41
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	20	1.4	0.35	1.44
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	20	1.4	0.57	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	20	1.4	0.57	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	20	1.4	0.57	1.08
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	20	1.4	0.19	1.33
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	20	1.4	0.02	1.4
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	20	1.4	0.02	1.4
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	20	1.4	0.02	1.4
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	20	1.4	0.03	1.4
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	20	1.4	0.03	1.4
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	20	1.4	0.03	1.4
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	20	1.4	0.09	1.42
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	20	1.4	0.0	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	20	1.4	0.0	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	20	1.4	0.0	1.4
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	20	1.4	0.02	1.4
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	20	1.4	0.53	0.97
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	20	1.4	0.01	1.4
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	20	1.4	0.01	1.4
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	20	1.4	0.01	1.4
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	20	1.4	0.03	1.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	20	1.4	0.18	1.32
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	20	1.39	0.0	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	20	1.39	0.01	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	20	1.39	0.01	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	20	1.39	0.01	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	20	1.39	0.0	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	20	1.39	0.04	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	20	1.39	0.04	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	20	1.39	0.04	1.39
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	20	1.39	0.23	1.51
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	20	1.39	0.0	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	20	1.39	0.0	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	20	1.39	0.0	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	20	1.39	0.0	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	20	1.39	0.0	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	20	1.39	0.0	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	20	1.39	0.01	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	20	1.39	0.01	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	20	1.39	0.01	1.39
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	20	1.39	0.02	1.39
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	20	1.39	0.02	1.38
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	20	1.39	0.0	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	20	1.39	0.0	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	20	1.39	0.0	1.39
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	20	1.39	0.03	1.39
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	20	1.39	0.03	1.39
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	20	1.39	0.03	1.39
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	20	1.38	0.3	1.42
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	20	1.38	0.15	1.42
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	20	1.38	0.03	1.38
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	20	1.38	0.02	1.39
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	20	1.38	0.0	1.38
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	20	1.38	0.04	1.39
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	20	1.38	0.04	1.39
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	20	1.38	0.04	1.39
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	20	1.38	0.0	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	20	1.38	0.0	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	20	1.38	0.01	1.38
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	20	1.38	0.01	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	20	1.38	0.0	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	20	1.38	0.0	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	20	1.38	0.0	1.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	20	1.38	0.02	1.38
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	20	1.38	0.02	1.38
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	20	1.38	0.05	1.39
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	20	1.38	0.02	1.38
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	20	1.38	0.02	1.38
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	20	1.38	0.02	1.38
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	20	1.38	0.58	0.93
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	20	1.38	0.01	1.38
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	20	1.37	0.03	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	20	1.37	0.01	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	20	1.37	0.01	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	20	1.37	0.01	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	20	1.37	0.01	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	20	1.37	0.01	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	20	1.37	0.01	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	20	1.37	0.01	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	20	1.37	0.01	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	20	1.37	0.01	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	20	1.37	0.0	1.37
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	20	1.37	0.01	1.37
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	20	1.37	0.02	1.38
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	20	1.37	0.07	1.38
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	20	1.37	0.0	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	20	1.37	0.01	1.37
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	20	1.37	0.2	1.31
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	20	1.37	0.2	1.31
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	20	1.37	0.2	1.31
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	20	1.37	0.0	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	20	1.37	0.0	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	20	1.37	0.0	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	20	1.37	0.0	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	20	1.37	0.01	1.37
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	20	1.37	0.4	1.27
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	20	1.37	0.4	1.27
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	20	1.37	0.4	1.27
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	20	1.37	0.05	1.37
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	20	1.37	0.05	1.37
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	20	1.37	0.05	1.37
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	20	1.36	0.18	1.44
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	20	1.36	0.01	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	20	1.36	0.01	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	20	1.36	0.01	1.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	20	1.36	0.02	1.36
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	20	1.36	0.07	1.35
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	20	1.36	0.01	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	20	1.36	0.06	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	20	1.36	0.06	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	20	1.36	0.06	1.38
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	20	1.36	0.0	1.36
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	20	1.36	0.2	1.41
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	20	1.36	0.2	1.41
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	20	1.36	0.2	1.41
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	20	1.36	0.01	1.36
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	20	1.36	0.32	1.56
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	20	1.36	0.3	1.53
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	20	1.36	0.3	1.53
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	20	1.36	0.3	1.53
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	20	1.36	0.01	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	20	1.36	0.0	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	20	1.36	0.0	1.36
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	20	1.36	0.33	1.47
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	20	1.36	0.33	1.47
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	20	1.36	0.33	1.47
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	20	1.36	0.01	1.36
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	20	1.36	0.36	1.48
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	20	1.36	0.01	1.36
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	20	1.36	0.2	1.31
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	20	1.36	0.2	1.31
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	20	1.36	0.2	1.31
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	20	1.36	0.0	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	20	1.35	0.0	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	20	1.35	0.0	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	20	1.35	0.0	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	20	1.35	0.0	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	20	1.35	0.0	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	20	1.35	0.0	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	20	1.35	0.0	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	20	1.35	0.02	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	20	1.35	0.02	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	20	1.35	0.02	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	20	1.35	0.0	1.35
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	20	1.35	0.01	1.35
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	20	1.35	0.07	1.38
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	20	1.35	0.02	1.36

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	20	1.35	0.01	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	20	1.35	0.01	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	20	1.35	0.01	1.35
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	20	1.35	0.96	0.96
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	20	1.35	0.32	1.4
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	20	1.35	0.0	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	20	1.35	0.0	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	20	1.35	0.0	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	20	1.35	0.0	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	20	1.35	0.0	1.35
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	20	1.35	0.14	1.38
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	20	1.35	0.19	1.38
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	20	1.35	0.19	1.38
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	20	1.35	0.19	1.38
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	20	1.34	0.13	1.31
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	20	1.34	0.02	1.33
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	20	1.34	0.0	1.34
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	20	1.34	0.75	0.81
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	20	1.34	0.75	0.81
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	20	1.34	0.75	0.81
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	20	1.34	0.0	1.34
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	20	1.34	0.19	1.42
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	20	1.34	0.0	1.34
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	20	1.34	0.02	1.33
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	20	1.34	0.02	1.34
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	20	1.34	0.42	1.52
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	20	1.34	0.02	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	20	1.34	0.02	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	20	1.34	0.02	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	20	1.34	0.02	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	20	1.34	0.02	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	20	1.34	0.02	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	20	1.34	0.02	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	20	1.34	0.02	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	20	1.34	0.02	1.35
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	20	1.34	0.01	1.34
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	20	1.34	0.01	1.34
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	20	1.34	0.03	1.34
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	20	1.33	0.0	1.33
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	20	1.33	0.08	1.31
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	20	1.33	0.08	1.31
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	20	1.33	0.04	1.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	20	1.33	0.04	1.35
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	20	1.33	0.22	1.46
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	20	1.33	0.46	1.55
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	20	1.33	0.0	1.33
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	20	1.33	0.41	1.6
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	20	1.33	0.01	1.33
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	20	1.33	0.01	1.33
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	20	1.33	0.22	1.44
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	20	1.33	0.0	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	20	1.33	0.0	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	20	1.33	0.0	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	20	1.33	0.0	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	20	1.33	0.0	1.33
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	20	1.33	0.1	1.3
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	20	1.33	0.35	1.25
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	20	1.33	0.35	1.25
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	20	1.33	0.35	1.25
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	20	1.33	0.03	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	20	1.33	0.03	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	20	1.33	0.03	1.31
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	20	1.33	0.02	1.32
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	20	1.32	0.01	1.32
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	20	1.32	0.18	1.4
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	20	1.32	0.03	1.33
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	20	1.32	0.03	1.33
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	20	1.32	0.03	1.33
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	20	1.32	0.03	1.34
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	20	1.32	0.02	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	20	1.32	0.01	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	20	1.32	0.01	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	20	1.32	0.01	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	20	1.32	0.01	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	20	1.32	0.01	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	20	1.32	0.01	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	20	1.32	0.01	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	20	1.32	0.01	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	20	1.32	0.01	1.32
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	20	1.32	0.35	1.01
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	20	1.32	0.19	1.26
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	20	1.32	0.01	1.33
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	20	1.32	0.43	1.44
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	20	1.32	0.03	1.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	20	1.32	0.03	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	20	1.32	0.0	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	20	1.32	0.0	1.32
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	20	1.32	0.05	1.33
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	20	1.32	0.01	1.32
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	20	1.32	0.01	1.32
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	20	1.32	0.01	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	20	1.32	0.0	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	20	1.32	0.0	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	20	1.32	0.0	1.32
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	20	1.32	0.01	1.32
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	20	1.32	0.03	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	20	1.32	0.03	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	20	1.32	0.03	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	20	1.32	0.03	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	20	1.32	0.03	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	20	1.32	0.03	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	20	1.32	0.03	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	20	1.32	0.03	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	20	1.32	0.03	1.31
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	20	1.32	0.16	1.28
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	20	1.32	0.16	1.28
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	20	1.32	0.16	1.28
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	20	1.32	0.05	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	20	1.32	0.01	1.32
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	20	1.32	0.02	1.32
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	20	1.32	0.02	1.32
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	20	1.32	0.02	1.32
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	20	1.32	0.01	1.32
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	20	1.32	0.03	1.31
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	20	1.32	0.1	1.32
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	20	1.32	0.8	1.9
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	20	1.32	0.8	1.9
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	20	1.32	0.8	1.9
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	20	1.32	0.0	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	20	1.32	0.0	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	20	1.32	0.0	1.32
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	20	1.32	0.02	1.31
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	20	1.32	0.16	1.23
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	20	1.31	0.68	0.87
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	20	1.31	0.01	1.32
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	20	1.31	0.02	1.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	20	1.31	0.02	1.32
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	20	1.31	0.02	1.32
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	20	1.31	0.15	1.35
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	20	1.31	0.15	1.35
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	20	1.31	0.15	1.35
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	20	1.31	0.02	1.3
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	20	1.31	0.0	1.31
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	20	1.31	0.01	1.31
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	20	1.31	0.11	1.37
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	20	1.31	0.11	1.37
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	20	1.31	0.11	1.37
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	20	1.31	0.0	1.31
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	20	1.31	0.02	1.3
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	20	1.31	0.09	1.3
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	20	1.3	0.04	1.31
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	20	1.3	0.04	1.31
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	20	1.3	0.04	1.31
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	20	1.3	0.04	1.31
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	20	1.3	0.02	1.3
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	20	1.3	0.5	1.47
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	20	1.3	0.01	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	20	1.3	0.01	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	20	1.3	0.01	1.31
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	20	1.3	0.5	1.61
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	20	1.3	0.01	1.3
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	20	1.3	0.27	1.13
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	20	1.3	0.23	1.46
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	20	1.3	0.01	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	20	1.3	0.01	1.31
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	20	1.3	0.04	1.3
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	20	1.3	0.04	1.3
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	20	1.3	0.04	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	20	1.3	0.0	1.3
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	20	1.3	0.09	1.34
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	20	1.3	0.09	1.34
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	20	1.3	0.1	1.31
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	20	1.3	0.0	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	20	1.3	0.0	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	20	1.3	0.0	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	20	1.3	0.0	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	20	1.3	0.0	1.3
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	20	1.3	0.01	1.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	20	1.3	0.0	1.3
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	20	1.3	0.02	1.3
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	20	1.3	0.02	1.3
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	20	1.3	0.07	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	20	1.3	0.07	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	20	1.3	0.07	1.28
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	20	1.3	0.2	1.25
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	20	1.3	0.2	1.25
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	20	1.3	0.2	1.25
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	20	1.3	0.12	1.31
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	20	1.29	0.01	1.3
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	20	1.29	0.01	1.29
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	20	1.29	0.02	1.3
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	20	1.29	0.03	1.29
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	20	1.29	0.13	1.25
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	20	1.29	0.13	1.25
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	20	1.29	0.13	1.25
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	20	1.29	0.01	1.29
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	20	1.29	0.01	1.29
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	20	1.29	0.01	1.29
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	20	1.29	0.01	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	20	1.29	0.02	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	20	1.29	0.02	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	20	1.29	0.02	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	20	1.29	0.01	1.29
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	20	1.29	0.41	1.19
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	20	1.29	0.41	1.19
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	20	1.29	0.41	1.19
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	20	1.29	0.01	1.29
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	20	1.29	0.02	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	20	1.29	0.0	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	20	1.29	0.0	1.29
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	20	1.29	0.15	1.25
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	20	1.29	0.15	1.25
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	20	1.29	0.15	1.25
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	20	1.29	0.15	1.25
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	20	1.29	0.15	1.25
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	20	1.29	0.15	1.25
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	20	1.29	0.15	1.25
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	20	1.29	0.15	1.25
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	20	1.29	0.15	1.25
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	20	1.29	0.01	1.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	20	1.29	0.01	1.29
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	20	1.29	0.01	1.29
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	20	1.29	0.12	1.35
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	20	1.29	0.48	1.26
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	20	1.29	0.01	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	20	1.29	0.01	1.29
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	20	1.28	0.1	1.35
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	20	1.28	0.01	1.28
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	20	1.28	0.01	1.28
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	20	1.28	0.08	1.25
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	20	1.28	0.05	1.3
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	20	1.28	0.0	1.28
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	20	1.28	0.02	1.28
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	20	1.28	0.02	1.28
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	20	1.28	0.02	1.28
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	20	1.28	0.16	1.32
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	20	1.28	0.0	1.28
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	20	1.28	0.65	1.76
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	20	1.28	0.01	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	20	1.28	0.01	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	20	1.28	0.01	1.28
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	20	1.28	0.03	1.27
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	20	1.28	0.06	1.29
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	20	1.28	0.03	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	20	1.28	0.02	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	20	1.28	0.02	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	20	1.28	0.02	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	20	1.28	0.02	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	20	1.28	0.02	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	20	1.28	0.02	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	20	1.28	0.02	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	20	1.28	0.02	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	20	1.28	0.02	1.28
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	20	1.28	0.02	1.29
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	20	1.28	0.07	1.31
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	20	1.28	0.31	1.16
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	20	1.28	0.31	1.16
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	20	1.28	0.01	1.28
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	20	1.28	0.55	0.99
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	20	1.28	0.07	1.3
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	20	1.28	0.01	1.28
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	20	1.28	0.07	1.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	20	1.28	0.01	1.27
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	20	1.28	0.03	1.27
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	20	1.28	0.02	1.27
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	20	1.28	0.06	1.27
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	20	1.28	0.02	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	20	1.28	0.0	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	20	1.28	0.0	1.28
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	20	1.28	0.18	1.33
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	20	1.28	0.05	1.3
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	20	1.28	0.05	1.3
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	20	1.28	0.05	1.3
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	20	1.28	0.0	1.28
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	20	1.27	0.01	1.27
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	20	1.27	0.01	1.27
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	20	1.27	0.01	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	20	1.27	0.0	1.27
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	20	1.27	0.02	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	20	1.27	0.02	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	20	1.27	0.02	1.28
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	20	1.27	0.0	1.27
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	20	1.27	0.01	1.27
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	20	1.27	0.46	1.63
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	20	1.27	0.1	1.23
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	20	1.27	0.02	1.28
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	20	1.27	0.02	1.28
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	20	1.27	0.01	1.27
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	20	1.27	0.01	1.27
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	20	1.27	0.02	1.26
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	20	1.27	0.0	1.27
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	20	1.27	0.01	1.27
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	20	1.26	0.07	1.25
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	20	1.26	0.01	1.26
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	20	1.26	0.17	1.24
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	20	1.26	0.01	1.27
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	20	1.26	0.02	1.27
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	20	1.26	0.01	1.26
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	20	1.26	0.07	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	20	1.26	0.06	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	20	1.26	0.06	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	20	1.26	0.06	1.25
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	20	1.26	0.15	1.31
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	20	1.26	0.01	1.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	20	1.26	0.01	1.26
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	20	1.26	0.26	1.4
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	20	1.26	0.0	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	20	1.26	0.0	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	20	1.26	0.0	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	20	1.26	0.0	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	20	1.26	0.0	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	20	1.26	0.0	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	20	1.26	0.0	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	20	1.26	0.0	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	20	1.26	0.0	1.26
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	20	1.26	0.09	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	20	1.26	0.09	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	20	1.26	0.09	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	20	1.26	0.1	1.24
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	20	1.26	0.04	1.25
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	20	1.26	0.01	1.26
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	20	1.26	0.28	1.05
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	20	1.26	0.14	1.28
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	20	1.26	0.0	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	20	1.26	0.0	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	20	1.26	0.0	1.26
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	20	1.26	0.01	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	20	1.26	0.01	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	20	1.26	0.01	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	20	1.26	0.01	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	20	1.25	0.0	1.25
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	20	1.25	0.0	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	20	1.25	0.0	1.25
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	20	1.25	0.44	1.5
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	20	1.25	0.44	1.5
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	20	1.25	0.04	1.26
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	20	1.25	0.01	1.25
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	20	1.25	0.01	1.25
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	20	1.25	0.01	1.25
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	20	1.25	0.01	1.25
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	20	1.25	0.01	1.25
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	20	1.25	0.01	1.25
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	20	1.25	0.01	1.25
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	20	1.25	0.06	1.25
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	20	1.25	0.55	0.88
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	20	1.25	0.01	1.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	20	1.25	0.01	1.25
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	20	1.25	0.02	1.24
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	20	1.25	0.01	1.25
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	20	1.25	0.09	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	20	1.25	0.0	1.25
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	20	1.25	0.16	1.29
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	20	1.25	0.01	1.25
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	20	1.25	0.15	1.27
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	20	1.25	0.15	1.27
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	20	1.25	0.15	1.27
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	20	1.25	0.0	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	20	1.25	0.0	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	20	1.25	0.0	1.25
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	20	1.25	0.01	1.25
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	20	1.25	0.36	1.25
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	20	1.25	0.02	1.24
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	20	1.25	0.24	1.1
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	20	1.25	0.14	1.13
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	20	1.25	0.03	1.25
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	20	1.25	0.03	1.25
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	20	1.25	0.03	1.25
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	20	1.25	0.02	1.25
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	20	1.25	0.01	1.24
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	20	1.25	0.01	1.24
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	20	1.25	0.01	1.24
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	20	1.25	0.11	1.29
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	20	1.24	0.08	1.23
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	20	1.24	0.01	1.25
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	20	1.24	0.36	1.44
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	20	1.24	0.05	1.28
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	20	1.24	0.01	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	20	1.24	0.01	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	20	1.24	0.01	1.24
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	20	1.24	0.02	1.24
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	20	1.24	0.27	1.42
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	20	1.24	0.05	1.23
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	20	1.24	0.05	1.23
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	20	1.24	0.05	1.23
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	20	1.24	0.0	1.24
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	20	1.24	0.04	1.24
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	20	1.24	0.04	1.24
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	20	1.24	0.04	1.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	20	1.24	0.01	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	20	1.24	0.0	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	20	1.24	0.02	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	20	1.24	0.02	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	20	1.24	0.02	1.23
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	20	1.24	0.0	1.24
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	20	1.24	0.03	1.23
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	20	1.24	0.02	1.23
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	20	1.24	0.18	1.28
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	20	1.24	0.02	1.23
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	20	1.23	0.02	1.23
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	20	1.23	0.25	1.21
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	20	1.23	0.25	1.21
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	20	1.23	0.25	1.21
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	20	1.23	0.04	1.24
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	20	1.23	0.01	1.23
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	20	1.23	0.05	1.23
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	20	1.23	0.05	1.23
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	20	1.23	0.05	1.23
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	20	1.23	0.05	1.23
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	20	1.23	0.05	1.23
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	20	1.23	0.05	1.23
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	20	1.23	0.05	1.23
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	20	1.23	0.05	1.23
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	20	1.23	0.05	1.23
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	20	1.23	0.17	1.26
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	20	1.23	0.17	1.26
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	20	1.23	0.17	1.26
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	20	1.23	0.01	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	20	1.23	0.01	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	20	1.23	0.01	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	20	1.23	0.01	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	20	1.23	0.01	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	20	1.23	0.0	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	20	1.23	0.0	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	20	1.23	0.0	1.23
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	20	1.23	0.01	1.23
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	20	1.23	0.3	1.27
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	20	1.23	0.02	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	20	1.23	0.02	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	20	1.23	0.02	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	20	1.23	0.01	1.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	20	1.23	0.01	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	20	1.23	0.01	1.23
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	20	1.23	0.02	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	20	1.23	0.0	1.23
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	20	1.23	0.09	1.21
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	20	1.23	0.14	1.25
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	20	1.23	0.05	1.24
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	20	1.22	0.16	1.19
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	20	1.22	0.16	1.3
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	20	1.22	0.25	1.36
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	20	1.22	0.01	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	20	1.22	0.0	1.22
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	20	1.22	0.03	1.23
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	20	1.22	0.02	1.23
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	20	1.22	0.0	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	20	1.22	0.0	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	20	1.22	0.0	1.22
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	20	1.22	0.01	1.22
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	20	1.22	0.02	1.22
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	20	1.22	0.02	1.23
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	20	1.22	0.0	1.22
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	20	1.22	0.03	1.22
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	20	1.22	0.07	1.21
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	20	1.22	0.16	1.29
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	20	1.22	0.01	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	20	1.22	0.01	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	20	1.22	0.01	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	20	1.22	0.01	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	20	1.22	0.01	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	20	1.22	0.01	1.22
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	20	1.22	0.04	1.21
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	20	1.22	0.22	1.29
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	20	1.22	0.01	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	20	1.22	0.01	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	20	1.22	0.01	1.21
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	20	1.22	0.01	1.22
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	20	1.22	0.06	1.23
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	20	1.22	0.07	1.2
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	20	1.22	0.0	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	20	1.22	0.0	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	20	1.22	0.0	1.22
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	20	1.22	0.0	1.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	20	1.22	0.02	1.22
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	20	1.22	0.01	1.21
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	20	1.21	0.01	1.22
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	20	1.21	0.01	1.22
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	20	1.21	0.01	1.22
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	20	1.21	0.02	1.21
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	20	1.21	0.01	1.21
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	20	1.21	0.01	1.21
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	20	1.21	0.01	1.21
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	20	1.21	0.09	1.22
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	20	1.21	0.01	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	20	1.21	0.0	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	20	1.21	0.0	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	20	1.21	0.0	1.21
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	20	1.21	0.02	1.2
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	20	1.21	0.8	0.81
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	20	1.21	0.0	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	20	1.21	0.0	1.21
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	20	1.21	0.08	1.22
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	20	1.21	0.03	1.2
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	20	1.21	0.03	1.2
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	20	1.21	0.03	1.2
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	20	1.21	0.01	1.21
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	20	1.21	0.06	1.23
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	20	1.21	0.01	1.2
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	20	1.21	0.01	1.2
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	20	1.21	0.01	1.2
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	20	1.2	0.12	1.24
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	20	1.2	0.01	1.2
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	20	1.2	0.04	1.21
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	20	1.2	0.04	1.21
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	20	1.2	0.04	1.21
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	20	1.2	0.22	1.28
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	20	1.2	0.02	1.2
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	20	1.2	0.32	1.38
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	20	1.2	0.02	1.2
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	20	1.2	0.02	1.2
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	20	1.2	0.02	1.2
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	20	1.2	0.02	1.2
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	20	1.2	0.02	1.2
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	20	1.2	0.02	1.2
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	20	1.2	0.02	1.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	20	1.2	0.02	1.2
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	20	1.2	0.02	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	20	1.2	0.0	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	20	1.2	0.0	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	20	1.2	0.0	1.2
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	20	1.2	0.02	1.2
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	20	1.2	0.02	1.2
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	20	1.2	0.02	1.2
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	20	1.2	0.01	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	20	1.2	0.01	1.2
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	20	1.2	0.03	1.19
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	20	1.2	0.01	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	20	1.2	0.01	1.2
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	20	1.2	0.1	1.12
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	20	1.19	0.02	1.18
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	20	1.19	0.03	1.19
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	20	1.19	0.03	1.19
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	20	1.19	0.0	1.19
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	20	1.19	0.01	1.19
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	20	1.19	0.01	1.19
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	20	1.19	0.01	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	20	1.19	0.01	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	20	1.19	0.01	1.19
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	20	1.19	0.01	1.19
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	20	1.19	0.06	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	20	1.19	0.01	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	20	1.19	0.01	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	20	1.19	0.01	1.19
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	20	1.19	0.23	1.16
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	20	1.19	0.23	1.16
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	20	1.19	0.23	1.16
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	20	1.18	0.06	1.18
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	20	1.18	0.01	1.18
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	20	1.18	0.02	1.19
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	20	1.18	0.01	1.19
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	20	1.18	0.06	1.19
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	20	1.18	0.01	1.19
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	20	1.18	0.04	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	20	1.18	0.04	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	20	1.18	0.04	1.17
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	20	1.18	0.03	1.17
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	20	1.18	0.01	1.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	20	1.18	0.04	1.18
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	20	1.18	0.06	1.2
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	20	1.18	0.04	1.18
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	20	1.18	0.04	1.18
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	20	1.18	0.04	1.18
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	20	1.18	0.04	1.17
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	20	1.18	0.01	1.17
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	20	1.18	0.19	1.25
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	20	1.17	0.27	1.36
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	20	1.17	0.06	1.17
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	20	1.17	0.06	1.17
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	20	1.17	0.06	1.17
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	20	1.17	0.01	1.17
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	20	1.17	0.26	1.0
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	20	1.17	0.02	1.17
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	20	1.17	0.12	1.24
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	20	1.17	0.01	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	20	1.17	0.0	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	20	1.17	0.01	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	20	1.17	0.0	1.17
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	20	1.17	0.03	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	20	1.17	0.0	1.17
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	20	1.17	0.61	0.78
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	20	1.17	0.01	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	20	1.17	0.01	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	20	1.17	0.01	1.17
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	20	1.17	0.05	1.16
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	20	1.16	0.01	1.17
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	20	1.16	0.0	1.16
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	20	1.16	0.13	1.13
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	20	1.16	0.13	1.13
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	20	1.16	0.13	1.13
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	20	1.16	0.01	1.17
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	20	1.16	0.04	1.17
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	20	1.16	0.04	1.17
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	20	1.16	0.17	1.23
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	20	1.16	0.0	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	20	1.16	0.0	1.16
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	20	1.16	0.02	1.16
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	20	1.16	0.01	1.15
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	20	1.16	0.55	1.02
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	20	1.16	0.55	1.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	20	1.16	0.55	1.02
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	20	1.16	0.02	1.16
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	20	1.15	0.02	1.16
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	20	1.15	0.16	1.18
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	20	1.15	0.11	1.2
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	20	1.15	0.01	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	20	1.15	0.01	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	20	1.15	0.01	1.15
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	20	1.15	0.1	1.08
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	20	1.15	0.01	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	20	1.15	0.0	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	20	1.15	0.01	1.15
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	20	1.15	0.06	1.13
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	20	1.15	0.01	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	20	1.15	0.01	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	20	1.15	0.01	1.14
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	20	1.15	0.01	1.15
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	20	1.15	0.05	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	20	1.15	0.05	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	20	1.15	0.05	1.16
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	20	1.15	0.0	1.15
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	20	1.14	0.05	1.16
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	20	1.14	0.08	1.11
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	20	1.14	0.01	1.14
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	20	1.14	0.04	1.15
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	20	1.14	0.12	1.21
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	20	1.14	0.0	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	20	1.14	0.01	1.14
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	20	1.14	0.1	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	20	1.14	0.0	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	20	1.14	0.0	1.14
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	20	1.14	0.27	1.23
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	20	1.14	0.0	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	20	1.14	0.0	1.14
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	20	1.14	0.01	1.14
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	20	1.13	0.01	1.13
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	20	1.13	0.42	1.24
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	20	1.13	0.01	1.14
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	20	1.13	0.03	1.13
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	20	1.13	0.06	1.12
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	20	1.13	0.66	0.65
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	20	1.13	0.0	1.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	20	1.13	0.02	1.12
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	20	1.13	0.01	1.13
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	20	1.13	0.01	1.13
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	20	1.13	0.02	1.13
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	20	1.13	0.01	1.13
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	20	1.13	0.15	1.14
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	20	1.13	0.15	1.14
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	20	1.13	0.15	1.14
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	20	1.13	0.02	1.13
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	20	1.13	0.04	1.12
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	20	1.13	0.27	1.3
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	20	1.13	0.03	1.12
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	20	1.13	0.02	1.13
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	20	1.12	0.12	1.08
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	20	1.12	0.01	1.12
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	20	1.12	0.12	1.2
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	20	1.12	0.12	1.2
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	20	1.12	0.12	1.2
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	20	1.12	0.08	1.14
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	20	1.12	0.01	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	20	1.12	0.0	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	20	1.12	0.0	1.12
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	20	1.12	0.19	1.16
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	20	1.12	0.19	1.16
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	20	1.12	0.19	1.16
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	20	1.12	0.11	1.15
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	20	1.12	0.03	1.12
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	20	1.12	0.01	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	20	1.12	0.0	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	20	1.12	0.0	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	20	1.12	0.0	1.12
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	20	1.12	0.07	1.1
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	20	1.12	0.04	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	20	1.12	0.01	1.12
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	20	1.11	0.01	1.11
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	20	1.11	0.11	1.08
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	20	1.11	0.02	1.12
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	20	1.11	0.5	1.49
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	20	1.11	0.16	1.08
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	20	1.11	0.08	1.09
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	20	1.11	0.17	1.15
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	20	1.11	0.01	1.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	20	1.11	0.03	1.12
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	20	1.11	0.03	1.12
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	20	1.11	0.03	1.12
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	20	1.11	0.03	1.1
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	20	1.11	0.15	1.14
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	20	1.11	0.0	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	20	1.11	0.0	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	20	1.11	0.0	1.11
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	20	1.11	0.31	0.86
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	20	1.11	0.03	1.1
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	20	1.11	0.03	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	20	1.11	0.01	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	20	1.11	0.01	1.1
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	20	1.11	0.03	1.11
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	20	1.11	0.03	1.11
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	20	1.11	0.03	1.11
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	20	1.11	0.12	1.06
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	20	1.11	0.04	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	20	1.11	0.0	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	20	1.11	0.0	1.11
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	20	1.11	0.38	1.38
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	20	1.11	0.38	1.38
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	20	1.11	0.02	1.1
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	20	1.1	0.01	1.1
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	20	1.1	0.07	1.08
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	20	1.1	0.02	1.11
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	20	1.1	0.03	1.09
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	20	1.1	0.01	1.1
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	20	1.1	0.01	1.1
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	20	1.1	0.01	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	20	1.1	0.0	1.1
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	20	1.1	0.03	1.09
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	20	1.1	0.52	0.74
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	20	1.1	0.0	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	20	1.1	0.0	1.1
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	20	1.1	0.04	1.09
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	20	1.1	0.15	1.14
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	20	1.1	0.15	1.14
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	20	1.1	0.15	1.14
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	20	1.1	0.07	1.11
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	20	1.1	0.01	1.1
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	20	1.1	0.01	1.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	20	1.1	0.33	0.91
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	20	1.1	0.33	0.91
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	20	1.1	0.33	0.91
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	20	1.1	0.18	0.98
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	20	1.1	0.18	0.98
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	20	1.1	0.18	0.98
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	20	1.1	0.01	1.1
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	20	1.1	0.04	1.08
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	20	1.1	0.04	1.08
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	20	1.1	0.04	1.08
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	20	1.1	0.26	1.23
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	20	1.1	0.18	1.16
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	20	1.1	0.18	1.14
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	20	1.1	0.0	1.1
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	20	1.09	0.01	1.09
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	20	1.09	0.0	1.09
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	20	1.09	0.23	1.21
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	20	1.09	0.0	1.09
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	20	1.09	0.15	1.12
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	20	1.09	0.03	1.08
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	20	1.09	0.01	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	20	1.09	0.01	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	20	1.09	0.01	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	20	1.09	0.01	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	20	1.09	0.01	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	20	1.09	0.01	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	20	1.09	0.01	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	20	1.09	0.01	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	20	1.09	0.01	1.09
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	20	1.09	0.02	1.09
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	20	1.09	0.08	1.1
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	20	1.09	0.08	1.1
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	20	1.09	0.08	1.1
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	20	1.09	0.0	1.09
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	20	1.09	0.23	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	20	1.09	0.23	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	20	1.09	0.23	1.04
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	20	1.09	0.04	1.08
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	20	1.09	0.04	1.08
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	20	1.09	0.04	1.08
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	20	1.09	0.19	1.11
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	20	1.09	0.0	1.09

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	20	1.09	0.04	1.07
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	20	1.09	0.05	1.13
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	20	1.09	0.01	1.09
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	20	1.09	0.01	1.08
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	20	1.08	0.01	1.08
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	20	1.08	0.04	1.07
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	20	1.08	0.0	1.08
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	20	1.08	0.14	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	20	1.08	0.14	1.16
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	20	1.08	0.0	1.08
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	20	1.08	0.14	1.09
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	20	1.08	0.12	1.12
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	20	1.08	0.5	0.74
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	20	1.08	0.09	1.12
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	20	1.08	0.0	1.08
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	20	1.08	0.07	1.11
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	20	1.08	0.0	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	20	1.08	0.01	1.08
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	20	1.08	0.04	1.08
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	20	1.08	0.74	1.62
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	20	1.08	0.65	1.56
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	20	1.08	0.01	1.08
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	20	1.08	0.01	1.08
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	20	1.08	0.02	1.08
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	20	1.08	0.09	1.06
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	20	1.07	0.41	1.3
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	20	1.07	0.08	1.06
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	20	1.07	0.13	1.04
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	20	1.07	0.27	1.26
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	20	1.07	0.12	1.01
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	20	1.07	0.02	1.06
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	20	1.07	0.16	1.04
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	20	1.07	0.0	1.07
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	20	1.07	0.04	1.09
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	20	1.07	0.03	1.07
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	20	1.07	0.01	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	20	1.07	0.0	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	20	1.07	0.0	1.07
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	20	1.07	0.04	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	20	1.07	0.0	1.07
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	20	1.07	0.07	1.07
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	20	1.07	0.02	1.07

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	20	1.07	0.24	1.23
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	20	1.07	0.26	1.06
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	20	1.07	0.07	1.08
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	20	1.07	0.04	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	20	1.07	0.01	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	20	1.07	0.01	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	20	1.07	0.01	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	20	1.07	0.01	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	20	1.07	0.01	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	20	1.07	0.01	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	20	1.07	0.01	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	20	1.07	0.01	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	20	1.07	0.01	1.07
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	20	1.07	0.32	1.09
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	20	1.07	0.01	1.07
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	20	1.07	0.01	1.07
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	20	1.07	0.01	1.07
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	20	1.06	0.01	1.06
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	20	1.06	0.06	1.04
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	20	1.06	0.14	1.01
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	20	1.06	0.01	1.07
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	20	1.06	0.0	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	20	1.06	0.0	1.06
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	20	1.06	0.17	1.13
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	20	1.06	0.04	1.04
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	20	1.06	0.04	1.04
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	20	1.06	0.04	1.04
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	20	1.06	0.01	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	20	1.06	0.01	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	20	1.06	0.01	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	20	1.06	0.01	1.06
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	20	1.06	0.06	1.03
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	20	1.06	0.01	1.06
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	20	1.06	0.01	1.06
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	20	1.06	0.29	1.29
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	20	1.05	0.03	1.04
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	20	1.05	0.01	1.05
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	20	1.05	0.01	1.06
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	20	1.05	0.08	1.01
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	20	1.05	0.08	1.01
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	20	1.05	0.02	1.05
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	20	1.05	0.02	1.05

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	20	1.05	0.02	1.05
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	20	1.05	0.01	1.05
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	20	1.05	0.2	1.12
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	20	1.05	0.02	1.05
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	20	1.05	0.05	1.06
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	20	1.05	0.02	1.06
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	20	1.05	0.0	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	20	1.05	0.01	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	20	1.05	0.0	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	20	1.05	0.0	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	20	1.05	0.0	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	20	1.05	0.0	1.05
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	20	1.05	0.04	1.06
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	20	1.05	0.55	0.93
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	20	1.05	0.55	0.93
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	20	1.05	0.55	0.93
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	20	1.05	0.14	1.02
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	20	1.05	0.01	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	20	1.05	0.03	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	20	1.05	0.03	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	20	1.05	0.03	1.05
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	20	1.05	0.04	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	20	1.05	0.03	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	20	1.05	0.03	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	20	1.05	0.03	1.04
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	20	1.05	0.01	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	20	1.05	0.0	1.05
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	20	1.05	0.0	1.05
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	20	1.05	0.09	1.05
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	20	1.05	0.51	1.36
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	20	1.04	0.02	1.05
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	20	1.04	0.05	1.04
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	20	1.04	0.05	1.04
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	20	1.04	0.05	1.04
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	20	1.04	0.01	1.05
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	20	1.04	0.01	1.04
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	20	1.04	0.23	1.2
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	20	1.04	0.01	1.04
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	20	1.04	0.01	1.04
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	20	1.04	0.03	1.03
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	20	1.04	0.0	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	20	1.04	0.0	1.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	20	1.04	0.23	0.98
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	20	1.04	0.09	1.05
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	20	1.04	0.01	1.04
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	20	1.04	0.02	1.04
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	20	1.04	0.02	1.04
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	20	1.04	0.02	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	20	1.04	0.0	1.04
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	20	1.04	0.02	1.04
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	20	1.04	0.04	1.04
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	20	1.04	0.04	1.04
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	20	1.04	0.04	1.04
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	20	1.04	0.06	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	20	1.04	0.06	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	20	1.04	0.06	1.03
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	20	1.04	0.22	1.04
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	20	1.04	0.22	1.04
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	20	1.04	0.22	1.04
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	20	1.04	0.25	0.92
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	20	1.04	0.03	1.03
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	20	1.04	0.11	1.05
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	20	1.04	0.01	1.04
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	20	1.03	0.01	1.03
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	20	1.03	0.14	1.1
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	20	1.03	0.52	0.66
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	20	1.03	0.03	1.03
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	20	1.03	0.02	1.03
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	20	1.03	0.02	1.03
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	20	1.03	0.01	1.03
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	20	1.03	0.16	1.1
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	20	1.03	0.28	1.02
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	20	1.03	0.0	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	20	1.03	0.0	1.03
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	20	1.03	0.04	1.02
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	20	1.03	0.04	1.04
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	20	1.03	0.37	0.8
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	20	1.03	0.0	1.03
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	20	1.03	0.07	1.05
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	20	1.02	0.1	1.0
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	20	1.02	0.12	1.1
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	20	1.02	0.12	1.1
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	20	1.02	0.12	1.1
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	20	1.02	0.02	1.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	20	1.02	0.06	1.02
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	20	1.02	0.02	1.03
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	20	1.02	0.01	1.02
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	20	1.02	0.47	0.62
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	20	1.02	0.0	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	20	1.02	0.0	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	20	1.02	0.0	1.02
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	20	1.02	0.04	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	20	1.02	0.04	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	20	1.02	0.04	1.0
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	20	1.02	0.0	1.02
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	20	1.02	0.1	0.98
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	20	1.02	0.01	1.02
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	20	1.01	0.17	0.99
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	20	1.01	0.0	1.01
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	20	1.01	0.39	0.93
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	20	1.01	0.39	0.93
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	20	1.01	0.39	0.93
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	20	1.01	0.3	0.82
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	20	1.01	0.25	0.89
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	20	1.01	0.09	0.98
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	20	1.01	0.04	1.02
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	20	1.01	0.04	1.02
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	20	1.01	0.0	1.01
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	20	1.01	0.02	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	20	1.01	0.06	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	20	1.01	0.06	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	20	1.01	0.06	1.02
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	20	1.01	0.06	1.02
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	20	1.01	0.02	1.02
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	20	1.01	0.0	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	20	1.01	0.0	1.01
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	20	1.01	0.02	1.01
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	20	1.01	0.32	0.83
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	20	1.01	0.0	1.01
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	20	1.01	0.2	1.06
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	20	1.01	0.02	1.01
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	20	1.01	0.02	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	20	1.01	0.01	1.0
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	20	1.01	0.01	1.0
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	20	1.01	0.01	1.0
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	20	1.01	0.01	1.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	20	1.01	0.01	1.0
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	20	1.0	0.02	1.0
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	20	1.0	0.02	1.0
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	20	1.0	0.02	1.0
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	20	1.0	0.44	1.18
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	20	1.0	0.02	0.99
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	20	1.0	0.22	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	20	1.0	0.22	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	20	1.0	0.22	0.95
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	20	1.0	0.29	1.2
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	20	1.0	0.25	0.88
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	20	1.0	0.09	0.98
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	20	1.0	0.03	0.99
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	20	1.0	0.0	1.0
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	20	1.0	0.57	0.68
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	20	1.0	0.06	1.0
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	20	1.0	0.02	1.0
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	20	1.0	0.02	1.0
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	20	1.0	0.02	1.0
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	20	1.0	0.01	0.99
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	20	1.0	0.01	1.0
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	20	1.0	0.02	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	20	1.0	0.01	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	20	1.0	0.01	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	20	1.0	0.01	1.0
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	20	1.0	0.02	1.0
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	20	1.0	0.01	1.0
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	20	1.0	0.01	1.0
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	20	1.0	0.01	1.0
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	20	0.99	0.11	1.01
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	20	0.99	0.34	1.12
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	20	0.99	0.11	1.02
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	20	0.99	0.15	1.07
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	20	0.99	0.01	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	20	0.99	0.0	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	20	0.99	0.0	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	20	0.99	0.0	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	20	0.99	0.0	0.99
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	20	0.99	0.07	0.98
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	20	0.99	0.07	1.0
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	20	0.99	0.04	0.98
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	20	0.99	0.16	0.96

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	20	0.99	0.0	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	20	0.99	0.0	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	20	0.99	0.0	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	20	0.99	0.0	0.99
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	20	0.99	0.03	0.98
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	20	0.99	0.03	0.98
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	20	0.99	0.03	0.98
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	20	0.99	0.01	0.99
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	20	0.99	0.01	0.99
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	20	0.99	0.05	1.02
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	20	0.99	0.1	0.96
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	20	0.99	0.1	0.96
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	20	0.99	0.1	0.96
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	20	0.99	0.02	0.98
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	20	0.98	0.16	1.02
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	20	0.98	0.16	1.02
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	20	0.98	0.16	1.02
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	20	0.98	0.01	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	20	0.98	0.0	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	20	0.98	0.0	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	20	0.98	0.0	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	20	0.98	0.0	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	20	0.98	0.01	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	20	0.98	0.01	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	20	0.98	0.01	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	20	0.98	0.01	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	20	0.98	0.01	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	20	0.98	0.01	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	20	0.98	0.01	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	20	0.98	0.01	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	20	0.98	0.01	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	20	0.98	0.0	0.98
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	20	0.98	0.22	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	20	0.98	0.22	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	20	0.98	0.22	0.9
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	20	0.98	0.0	0.98
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	20	0.98	0.01	0.98
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	20	0.98	0.05	0.97
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	20	0.98	0.0	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	20	0.98	0.0	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	20	0.98	0.01	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	20	0.98	0.0	0.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	20	0.98	0.01	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	20	0.98	0.01	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	20	0.98	0.01	0.98
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	20	0.98	0.07	0.96
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	20	0.98	0.01	0.98
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	20	0.98	0.02	0.97
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	20	0.98	0.04	0.96
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	20	0.98	0.01	0.98
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	20	0.97	0.1	0.92
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	20	0.97	0.01	0.97
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	20	0.97	0.01	0.97
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	20	0.97	0.01	0.97
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	20	0.97	0.44	0.92
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	20	0.97	0.11	1.02
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	20	0.97	0.27	0.89
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	20	0.97	0.27	0.89
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	20	0.97	0.27	0.89
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	20	0.97	0.04	0.96
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	20	0.97	0.01	0.98
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	20	0.97	0.02	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	20	0.97	0.0	0.97
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	20	0.97	0.02	0.97
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	20	0.97	0.06	0.98
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	20	0.97	0.06	0.98
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	20	0.97	0.06	0.98
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	20	0.97	0.0	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	20	0.97	0.0	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	20	0.97	0.0	0.97
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	20	0.97	0.35	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	20	0.97	0.35	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	20	0.97	0.35	0.89
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	20	0.97	0.05	0.96
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	20	0.97	0.01	0.96
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	20	0.96	0.19	1.02
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	20	0.96	0.0	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	20	0.96	0.01	0.96
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	20	0.96	0.01	0.96
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	20	0.96	0.35	0.86
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	20	0.96	0.03	0.96
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	20	0.96	0.03	0.96
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	20	0.96	0.03	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	20	0.96	0.01	0.96

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	20	0.96	0.05	0.94
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	20	0.96	0.06	0.94
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	20	0.96	0.01	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	20	0.96	0.01	0.96
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	20	0.96	0.06	0.95
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	20	0.96	0.03	0.95
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	20	0.96	0.03	0.95
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	20	0.96	0.03	0.95
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	20	0.96	0.05	0.94
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	20	0.96	0.01	0.96
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	20	0.96	0.17	0.88
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	20	0.96	0.17	0.88
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	20	0.96	0.02	0.96
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	20	0.96	0.02	0.96
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	20	0.96	0.02	0.96
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	20	0.96	0.01	0.96
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	20	0.96	0.05	0.97
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	20	0.96	0.03	0.94
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	20	0.95	0.03	0.95
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	20	0.95	0.27	0.94
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	20	0.95	0.01	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	20	0.95	0.01	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	20	0.95	0.0	0.95
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	20	0.95	0.01	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	20	0.95	0.0	0.95
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	20	0.95	0.42	0.72
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	20	0.95	0.2	1.02
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	20	0.95	0.0	0.95
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	20	0.95	0.04	0.95
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	20	0.95	0.04	0.95
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	20	0.95	0.04	0.95
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	20	0.95	0.01	0.95
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	20	0.95	0.08	0.98
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	20	0.94	0.0	0.94
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	20	0.94	0.04	0.94
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	20	0.94	0.04	0.94
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	20	0.94	0.02	0.93
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	20	0.94	0.01	0.94
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	20	0.94	0.06	0.91
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	20	0.94	0.48	0.58
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	20	0.94	0.02	0.94
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	20	0.94	0.01	0.94

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	20	0.94	0.01	0.94
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	20	0.94	0.01	0.94
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	20	0.94	0.01	0.94
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	20	0.94	0.94	0.2
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	20	0.94	0.08	0.97
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	20	0.94	0.01	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	20	0.94	0.01	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	20	0.94	0.01	0.93
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	20	0.94	0.06	0.93
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	20	0.94	0.06	0.93
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	20	0.94	0.06	0.93
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	20	0.94	0.06	0.93
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	20	0.94	0.06	0.93
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	20	0.94	0.06	0.93
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	20	0.94	0.12	0.9
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	20	0.93	0.46	0.6
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	20	0.93	0.46	0.6
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	20	0.93	0.46	0.6
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	20	0.93	0.01	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	20	0.93	0.01	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	20	0.93	0.01	0.93
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	20	0.93	0.04	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	20	0.93	0.04	0.95
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	20	0.93	0.13	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	20	0.93	0.13	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	20	0.93	0.13	0.91
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	20	0.93	0.01	0.93
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	20	0.93	0.26	0.97
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	20	0.93	0.04	0.91
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	20	0.93	0.04	0.91
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	20	0.93	0.04	0.91
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	20	0.93	0.0	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	20	0.93	0.0	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	20	0.93	0.0	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	20	0.93	0.0	0.93
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	20	0.93	0.01	0.93
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	20	0.93	0.27	0.97
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	20	0.93	0.01	0.93
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	20	0.93	0.02	0.91
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	20	0.93	0.01	0.92
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	20	0.93	0.01	0.92
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	20	0.93	0.04	0.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	20	0.93	0.25	0.73
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	20	0.92	0.09	0.92
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	20	0.92	0.17	0.83
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	20	0.92	0.0	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	20	0.92	0.0	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	20	0.92	0.0	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	20	0.92	0.0	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	20	0.92	0.01	0.92
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	20	0.92	0.07	0.91
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	20	0.92	0.07	0.91
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	20	0.92	0.07	0.91
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	20	0.92	0.07	0.91
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	20	0.92	0.07	0.91
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	20	0.92	0.07	0.91
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	20	0.92	0.06	0.92
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	20	0.92	0.06	0.92
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	20	0.92	0.06	0.92
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	20	0.92	0.06	0.92
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	20	0.92	0.06	0.92
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	20	0.92	0.06	0.92
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	20	0.92	0.28	0.93
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	20	0.92	0.02	0.92
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	20	0.92	0.02	0.92
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	20	0.92	0.03	0.92
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	20	0.92	0.01	0.92
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	20	0.92	0.36	0.72
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	20	0.92	0.41	1.04
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	20	0.92	0.02	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	20	0.92	0.0	0.92
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	20	0.92	0.02	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	20	0.92	0.0	0.92
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	20	0.92	0.3	1.0
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	20	0.92	0.08	0.9
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	20	0.92	0.1	0.94
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	20	0.92	0.19	0.99
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	20	0.91	0.02	0.91
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	20	0.91	0.01	0.91
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	20	0.91	0.01	0.91
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	20	0.91	0.19	0.88
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	20	0.91	0.19	0.88
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	20	0.91	0.19	0.88
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	20	0.91	0.01	0.91

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	20	0.91	0.04	0.92
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	20	0.91	0.0	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	20	0.91	0.01	0.91
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	20	0.91	0.01	0.91
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	20	0.91	0.21	0.8
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	20	0.91	0.02	0.9
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	20	0.91	0.01	0.9
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	20	0.9	0.11	0.86
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	20	0.9	0.04	0.92
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	20	0.9	0.0	0.9
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	20	0.9	0.05	0.92
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	20	0.9	0.39	0.72
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	20	0.9	0.26	1.12
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	20	0.9	0.02	0.91
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	20	0.9	0.04	0.9
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	20	0.9	0.01	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	20	0.9	0.0	0.9
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	20	0.9	0.01	0.9
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	20	0.9	0.01	0.9
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	20	0.9	0.11	0.86
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	20	0.9	0.11	0.86
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	20	0.9	0.11	0.86
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	20	0.89	0.21	0.97
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	20	0.89	0.01	0.9
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	20	0.89	0.01	0.89
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	20	0.89	0.12	0.9
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	20	0.89	0.01	0.89
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	20	0.89	0.27	0.82
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	20	0.89	0.07	0.89
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	20	0.89	0.52	0.65
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	20	0.89	0.01	0.89
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	20	0.89	0.22	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	20	0.89	0.22	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	20	0.89	0.22	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	20	0.89	0.22	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	20	0.89	0.22	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	20	0.89	0.22	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	20	0.89	0.22	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	20	0.89	0.22	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	20	0.89	0.22	0.84
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	20	0.89	0.05	0.87
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	20	0.89	0.05	0.87

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	20	0.89	0.05	0.87
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	20	0.89	0.12	0.94
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	20	0.89	0.15	0.92
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	20	0.89	0.0	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	20	0.89	0.0	0.89
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	20	0.89	0.01	0.89
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	20	0.89	0.01	0.89
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	20	0.89	0.33	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	20	0.89	0.33	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	20	0.89	0.33	0.75
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	20	0.89	0.32	0.94
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	20	0.89	0.01	0.89
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	20	0.89	0.24	1.04
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	20	0.89	0.04	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	20	0.89	0.01	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	20	0.89	0.01	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	20	0.89	0.01	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	20	0.89	0.01	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	20	0.89	0.01	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	20	0.89	0.01	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	20	0.89	0.01	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	20	0.89	0.01	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	20	0.89	0.01	0.89
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	20	0.89	0.03	0.88
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	20	0.88	0.09	0.9
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	20	0.88	0.13	0.94
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	20	0.88	0.01	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	20	0.88	0.01	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	20	0.88	0.01	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	20	0.88	0.01	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	20	0.88	0.01	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	20	0.88	0.01	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	20	0.88	0.01	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	20	0.88	0.01	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	20	0.88	0.01	0.88
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	20	0.88	0.01	0.88
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	20	0.88	0.2	0.74
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	20	0.88	0.02	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	20	0.88	0.0	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	20	0.88	0.0	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	20	0.88	0.0	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	20	0.88	0.0	0.88

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	20	0.88	0.0	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	20	0.88	0.0	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	20	0.88	0.0	0.88
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	20	0.88	0.02	0.88
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	20	0.88	0.02	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	20	0.88	0.02	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	20	0.88	0.02	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	20	0.88	0.02	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	20	0.88	0.02	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	20	0.88	0.02	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	20	0.88	0.02	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	20	0.88	0.02	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	20	0.88	0.02	0.87
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	20	0.88	0.0	0.88
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	20	0.88	0.13	0.91
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	20	0.88	0.13	0.91
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	20	0.88	0.13	0.91
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	20	0.88	0.02	0.88
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	20	0.88	0.08	0.89
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	20	0.88	0.03	0.89
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	20	0.88	0.02	0.88
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	20	0.88	0.02	0.88
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	20	0.88	0.02	0.88
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	20	0.88	0.04	0.87
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	20	0.87	0.0	0.87
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	20	0.87	0.01	0.88
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	20	0.87	0.08	0.88
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	20	0.87	0.03	0.86
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	20	0.87	0.23	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	20	0.87	0.23	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	20	0.87	0.23	0.82
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	20	0.87	0.03	0.87
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	20	0.87	0.04	0.87
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	20	0.87	0.02	0.86
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	20	0.87	0.02	0.86
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	20	0.87	0.0	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	20	0.87	0.0	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	20	0.87	0.0	0.87
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	20	0.87	0.04	0.88
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	20	0.87	0.0	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	20	0.87	0.0	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	20	0.87	0.0	0.87

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	20	0.87	0.04	0.86
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	20	0.87	0.08	0.9
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	20	0.87	0.16	0.78
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	20	0.87	0.03	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	20	0.86	0.01	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	20	0.86	0.01	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	20	0.86	0.01	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	20	0.86	0.01	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	20	0.86	0.01	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	20	0.86	0.01	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	20	0.86	0.01	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	20	0.86	0.01	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	20	0.86	0.01	0.86
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	20	0.86	0.18	0.78
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	20	0.86	0.09	0.82
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	20	0.86	0.0	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	20	0.86	0.0	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	20	0.86	0.0	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	20	0.86	0.0	0.86
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	20	0.86	0.56	0.5
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	20	0.86	0.02	0.85
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	20	0.86	0.04	0.84
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	20	0.86	0.02	0.86
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	20	0.86	0.03	0.85
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	20	0.86	0.02	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	20	0.86	0.02	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	20	0.86	0.02	0.86
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	20	0.86	0.03	0.85
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	20	0.85	0.01	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	20	0.85	0.03	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	20	0.85	0.03	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	20	0.85	0.03	0.86
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	20	0.85	0.06	0.84
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	20	0.85	0.06	0.84
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	20	0.85	0.02	0.86
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	20	0.85	0.02	0.86
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	20	0.85	0.02	0.86
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	20	0.85	0.02	0.86
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	20	0.85	0.09	0.86
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	20	0.85	0.09	0.86
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	20	0.85	0.09	0.86
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	20	0.85	1.0	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	20	0.85	0.03	0.86
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	20	0.85	0.01	0.85
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	20	0.85	0.16	0.89
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	20	0.85	0.14	0.8
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	20	0.85	0.01	0.85
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	20	0.85	0.09	0.87
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	20	0.85	0.09	0.87
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	20	0.85	0.03	0.84
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	20	0.85	0.51	0.76
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	20	0.85	0.01	0.85
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	20	0.84	0.17	0.86
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	20	0.84	0.01	0.84
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	20	0.84	0.14	0.72
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	20	0.84	0.03	0.85
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	20	0.84	0.01	0.84
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	20	0.84	0.04	0.83
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	20	0.84	0.0	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	20	0.84	0.01	0.84
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	20	0.84	0.02	0.84
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	20	0.84	0.01	0.84
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	20	0.84	0.22	0.94
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	20	0.84	0.17	0.95
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	20	0.84	0.12	0.82
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	20	0.83	0.05	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	20	0.83	0.01	0.84
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	20	0.83	0.02	0.83
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	20	0.83	0.07	0.78
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	20	0.83	0.0	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	20	0.83	0.0	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	20	0.83	0.0	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	20	0.83	0.0	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	20	0.83	0.0	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	20	0.83	0.0	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	20	0.83	0.0	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	20	0.83	0.0	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	20	0.83	0.0	0.83
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	20	0.83	0.1	0.81
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	20	0.83	0.0	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	20	0.83	0.0	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	20	0.83	0.0	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	20	0.83	0.0	0.83
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	20	0.83	0.02	0.83

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	20	0.83	0.23	0.68
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	20	0.83	0.0	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	20	0.83	0.0	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	20	0.83	0.0	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	20	0.83	0.0	0.83
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	20	0.83	0.14	0.91
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	20	0.83	0.01	0.83
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	20	0.83	0.02	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	20	0.83	0.01	0.83
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	20	0.83	0.01	0.83
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	20	0.83	0.01	0.83
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	20	0.83	0.01	0.83
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	20	0.83	0.04	0.84
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	20	0.83	0.04	0.83
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	20	0.83	0.03	0.82
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	20	0.83	0.07	0.81
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	20	0.83	0.12	0.78
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	20	0.83	0.01	0.83
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	20	0.83	0.03	0.82
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	20	0.83	0.07	0.84
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	20	0.82	0.04	0.81
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	20	0.82	0.01	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	20	0.82	0.01	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	20	0.82	0.0	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	20	0.82	0.0	0.82
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	20	0.82	0.08	0.84
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	20	0.82	0.1	0.8
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	20	0.82	0.27	0.91
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	20	0.82	0.16	0.87
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	20	0.82	0.41	1.08
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	20	0.81	0.05	0.81
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	20	0.81	0.18	0.75
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	20	0.81	0.05	0.82
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	20	0.81	0.25	0.68
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	20	0.81	0.02	0.82
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	20	0.81	0.02	0.82
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	20	0.81	0.17	0.71
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	20	0.81	0.17	0.71
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	20	0.81	0.17	0.71
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	20	0.81	0.02	0.81
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	20	0.81	0.04	0.82
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	20	0.81	0.15	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	20	0.81	0.24	0.74
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	20	0.81	0.04	0.8
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	20	0.81	0.04	0.8
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	20	0.81	0.04	0.8
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	20	0.81	0.02	0.81
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	20	0.81	0.23	0.76
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	20	0.81	0.05	0.8
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	20	0.81	0.01	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	20	0.81	0.0	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	20	0.81	0.0	0.81
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	20	0.81	0.31	0.74
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	20	0.81	0.13	0.74
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	20	0.81	0.03	0.8
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	20	0.81	0.01	0.8
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	20	0.81	0.01	0.81
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	20	0.81	0.0	0.81
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	20	0.81	0.03	0.81
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	20	0.8	0.02	0.81
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	20	0.8	0.06	0.8
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	20	0.8	0.08	0.78
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	20	0.8	0.02	0.8
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	20	0.8	0.07	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	20	0.8	0.01	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	20	0.8	0.0	0.8
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	20	0.8	0.01	0.8
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	20	0.8	0.08	0.8
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	20	0.8	0.01	0.8
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	20	0.8	0.01	0.8
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	20	0.8	0.01	0.8
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	20	0.8	0.03	0.8
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	20	0.8	0.16	0.89
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	20	0.8	0.02	0.8
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	20	0.8	0.01	0.8
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	20	0.8	0.05	0.82
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	20	0.8	0.01	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	20	0.8	0.01	0.8
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	20	0.8	0.01	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	20	0.8	0.01	0.8
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	20	0.8	0.13	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	20	0.8	0.13	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	20	0.8	0.13	0.77
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	20	0.8	0.05	0.8

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	20	0.8	0.05	0.8
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	20	0.8	0.05	0.8
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	20	0.8	0.11	0.78
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	20	0.8	0.04	0.78
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	20	0.8	0.01	0.8
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	20	0.8	0.03	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	20	0.8	0.03	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	20	0.8	0.03	0.79
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	20	0.79	0.02	0.79
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	20	0.79	0.02	0.79
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	20	0.79	0.02	0.79
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	20	0.79	0.04	0.79
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	20	0.79	0.1	0.82
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	20	0.79	0.02	0.79
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	20	0.79	0.19	0.88
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	20	0.79	0.0	0.79
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	20	0.79	0.23	0.66
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	20	0.79	0.23	0.66
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	20	0.79	0.23	0.66
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	20	0.79	0.15	0.82
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	20	0.79	0.01	0.79
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	20	0.79	0.02	0.78
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	20	0.79	0.01	0.79
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	20	0.79	0.01	0.79
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	20	0.79	0.03	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	20	0.79	0.03	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	20	0.79	0.03	0.78
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	20	0.79	0.0	0.79
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	20	0.78	0.02	0.78
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	20	0.78	0.02	0.78
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	20	0.78	0.01	0.78
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	20	0.78	0.02	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	20	0.78	0.0	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	20	0.78	0.01	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	20	0.78	0.01	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	20	0.78	0.01	0.78
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	20	0.78	0.33	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	20	0.78	0.33	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	20	0.78	0.33	0.64
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	20	0.78	0.1	0.76
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	20	0.78	0.02	0.78
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	20	0.78	0.01	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	20	0.78	0.26	0.94
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	20	0.78	0.09	0.81
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	20	0.78	0.03	0.77
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	20	0.78	0.32	0.84
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	20	0.78	0.41	1.0
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	20	0.78	0.04	0.76
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	20	0.78	0.04	0.76
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	20	0.78	0.04	0.76
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	20	0.78	0.01	0.78
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	20	0.78	0.11	0.75
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	20	0.78	0.01	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	20	0.78	0.01	0.77
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	20	0.77	0.1	0.72
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	20	0.77	0.01	0.77
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	20	0.77	0.1	0.75
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	20	0.77	0.03	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	20	0.77	0.03	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	20	0.77	0.03	0.78
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	20	0.77	0.0	0.77
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	20	0.77	0.02	0.77
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	20	0.77	0.02	0.77
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	20	0.77	0.01	0.77
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	20	0.77	0.01	0.77
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	20	0.77	0.01	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	20	0.77	0.0	0.77
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	20	0.77	0.29	0.97
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	20	0.77	0.02	0.77
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	20	0.77	0.03	0.75
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	20	0.77	0.02	0.76
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	20	0.77	0.01	0.77
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	20	0.77	0.03	0.76
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	20	0.77	0.11	0.78
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	20	0.77	0.32	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	20	0.77	0.32	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	20	0.77	0.32	0.69
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	20	0.77	0.26	0.84
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	20	0.76	0.02	0.76
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	20	0.76	0.34	0.97
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	20	0.76	0.17	0.67
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	20	0.76	0.15	0.71
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	20	0.76	0.02	0.76
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	20	0.76	0.03	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	20	0.76	0.0	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	20	0.76	0.0	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	20	0.76	0.0	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	20	0.76	0.0	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	20	0.76	0.0	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	20	0.76	0.0	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	20	0.76	0.0	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	20	0.76	0.0	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	20	0.76	0.0	0.76
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	20	0.76	0.1	0.78
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	20	0.76	0.0	0.76
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	20	0.76	0.1	0.73
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	20	0.76	0.43	0.56
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	20	0.76	0.15	0.72
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	20	0.76	0.03	0.76
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	20	0.76	0.01	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	20	0.76	0.02	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	20	0.76	0.02	0.76
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	20	0.76	0.01	0.76
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	20	0.76	0.05	0.77
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	20	0.75	0.17	0.77
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	20	0.75	0.02	0.75
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	20	0.75	0.33	0.94
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	20	0.75	0.01	0.75
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	20	0.75	0.1	0.72
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	20	0.75	0.18	0.8
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	20	0.75	0.02	0.74
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	20	0.75	0.02	0.74
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	20	0.75	0.02	0.74
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	20	0.75	0.2	0.82
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	20	0.75	0.02	0.75
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	20	0.75	0.15	0.7
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	20	0.75	0.0	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	20	0.75	0.0	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	20	0.75	0.0	0.75
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	20	0.75	0.01	0.74
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	20	0.75	0.08	0.72
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	20	0.75	0.01	0.74
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	20	0.75	0.01	0.74
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	20	0.74	0.03	0.74
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	20	0.74	0.38	0.62
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	20	0.74	0.04	0.75

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	20	0.74	0.04	0.75
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	20	0.74	0.04	0.75
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	20	0.74	0.04	0.74
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	20	0.74	0.16	0.84
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	20	0.74	0.0	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	20	0.74	0.0	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	20	0.74	0.0	0.74
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	20	0.74	0.33	0.92
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	20	0.74	0.01	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	20	0.74	0.0	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	20	0.74	0.0	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	20	0.74	0.0	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	20	0.74	0.0	0.74
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	20	0.74	0.02	0.74
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	20	0.74	0.07	0.73
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	20	0.74	0.11	0.68
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	20	0.73	0.01	0.73
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	20	0.73	0.09	0.72
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	20	0.73	0.02	0.74
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	20	0.73	0.04	0.72
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	20	0.73	0.04	0.72
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	20	0.73	0.02	0.73
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	20	0.73	0.02	0.73
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	20	0.73	0.02	0.73
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	20	0.73	0.03	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	20	0.73	0.01	0.73
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	20	0.73	0.01	0.73
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	20	0.73	0.01	0.73
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	20	0.73	0.01	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	20	0.73	0.0	0.73
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	20	0.73	0.23	0.58
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	20	0.73	0.25	0.88
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	20	0.73	0.09	0.71
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	20	0.73	0.6	0.39
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	20	0.73	0.21	0.61
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	20	0.73	0.07	0.72
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	20	0.73	0.07	0.72
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	20	0.73	0.07	0.72
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	20	0.73	0.07	0.72
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	20	0.73	0.07	0.72
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	20	0.73	0.07	0.72
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	20	0.73	0.19	0.63

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	20	0.73	0.04	0.72
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	20	0.73	0.29	0.96
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	20	0.73	0.04	0.71
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	20	0.73	0.04	0.71
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	20	0.73	0.04	0.71
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	20	0.72	0.02	0.73
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	20	0.72	0.02	0.73
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	20	0.72	0.02	0.73
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	20	0.72	0.0	0.72
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	20	0.72	0.13	0.74
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	20	0.72	0.13	0.74
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	20	0.72	0.13	0.74
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	20	0.72	0.0	0.72
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	20	0.72	0.01	0.72
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	20	0.72	0.09	0.74
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	20	0.72	0.09	0.74
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	20	0.72	0.09	0.74
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	20	0.72	0.09	0.7
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	20	0.72	0.0	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	20	0.72	0.0	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	20	0.72	0.01	0.72
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	20	0.72	0.2	0.67
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	20	0.72	0.04	0.72
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	20	0.72	0.02	0.71
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	20	0.72	0.02	0.71
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	20	0.72	0.02	0.71
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	20	0.72	0.14	0.76
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	20	0.72	0.14	0.76
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	20	0.72	0.14	0.76
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	20	0.71	0.03	0.72
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	20	0.71	0.06	0.72
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	20	0.71	0.01	0.72
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	20	0.71	0.01	0.71
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	20	0.71	0.16	0.74
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	20	0.71	0.16	0.74
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	20	0.71	0.02	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	20	0.71	0.0	0.71
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	20	0.71	0.02	0.7
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	20	0.71	0.03	0.72
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	20	0.71	0.03	0.71
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	20	0.71	0.07	0.72
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	20	0.71	0.1	0.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	20	0.71	0.1	0.68
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	20	0.71	0.1	0.68
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	20	0.71	0.1	0.68
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	20	0.71	0.1	0.68
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	20	0.71	0.1	0.68
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	20	0.71	0.05	0.72
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	20	0.71	0.02	0.7
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	20	0.71	0.02	0.7
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	20	0.71	0.18	0.78
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	20	0.71	0.03	0.7
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	20	0.71	0.01	0.71
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	20	0.71	0.07	0.69
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	20	0.71	0.07	0.69
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	20	0.71	0.07	0.69
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	20	0.71	0.16	0.7
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	20	0.71	0.17	0.76
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	20	0.71	0.02	0.7
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	20	0.71	0.04	0.7
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	20	0.71	0.03	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	20	0.7	0.02	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	20	0.7	0.02	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	20	0.7	0.02	0.71
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	20	0.7	0.01	0.7
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	20	0.7	0.09	0.72
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	20	0.7	0.13	0.67
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	20	0.7	0.0	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	20	0.7	0.0	0.7
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	20	0.7	0.22	0.7
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	20	0.7	0.22	0.7
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	20	0.7	0.22	0.7
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	20	0.7	0.16	0.67
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	20	0.7	0.02	0.69
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	20	0.7	0.13	0.74
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	20	0.7	0.01	0.7
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	20	0.7	0.02	0.68
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	20	0.7	0.17	0.64
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	20	0.7	0.02	0.7
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	20	0.7	0.01	0.7
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	20	0.69	0.02	0.68
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	20	0.69	0.03	0.69
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	20	0.69	0.02	0.69
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	20	0.69	0.06	0.7

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	20	0.69	0.28	0.68
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	20	0.69	0.02	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	20	0.69	0.0	0.69
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	20	0.69	0.03	0.69
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	20	0.69	0.15	0.64
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	20	0.69	0.03	0.68
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	20	0.69	0.1	0.66
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	20	0.69	0.01	0.69
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	20	0.69	0.04	0.68
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	20	0.69	0.04	0.68
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	20	0.69	0.04	0.68
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	20	0.69	0.02	0.7
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	20	0.69	0.0	0.69
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	20	0.69	0.08	0.7
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	20	0.69	0.02	0.69
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	20	0.68	0.26	0.54
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	20	0.68	0.02	0.68
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	20	0.68	0.08	0.69
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	20	0.68	0.06	0.72
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	20	0.68	0.06	0.72
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	20	0.68	0.06	0.72
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	20	0.68	0.12	0.6
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	20	0.68	0.02	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	20	0.68	0.0	0.68
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	20	0.68	0.01	0.68
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	20	0.68	0.01	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	20	0.68	0.01	0.68
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	20	0.68	0.01	0.68
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	20	0.68	0.24	0.8
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	20	0.68	0.01	0.68
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	20	0.68	0.01	0.68
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	20	0.68	0.01	0.68
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	20	0.67	0.01	0.67
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	20	0.67	0.12	0.62
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	20	0.67	0.01	0.67
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	20	0.67	0.08	0.68
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	20	0.67	0.04	0.67
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	20	0.67	0.04	0.67
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	20	0.67	0.04	0.67
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	20	0.67	0.1	0.69
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	20	0.67	0.01	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	20	0.67	0.0	0.67

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	20	0.67	0.0	0.67
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	20	0.67	0.08	0.66
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	20	0.67	0.02	0.67
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	20	0.67	0.04	0.66
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	20	0.67	0.18	0.76
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	20	0.67	0.27	0.84
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	20	0.67	0.05	0.65
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	20	0.67	0.02	0.66
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	20	0.67	0.05	0.67
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	20	0.67	0.01	0.66
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	20	0.67	0.08	0.63
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	20	0.66	0.09	0.69
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	20	0.66	0.07	0.63
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	20	0.66	0.01	0.66
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	20	0.66	0.27	0.88
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	20	0.66	0.01	0.66
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	20	0.66	0.05	0.64
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	20	0.66	0.03	0.66
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	20	0.66	0.03	0.66
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	20	0.66	0.03	0.66
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	20	0.66	0.16	0.62
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	20	0.66	0.11	0.63
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	20	0.66	0.04	0.67
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	20	0.66	0.04	0.66
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	20	0.66	0.04	0.66
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	20	0.66	0.04	0.66
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	20	0.66	0.07	0.68
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	20	0.66	0.13	0.6
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	20	0.66	0.16	0.66
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	20	0.66	0.04	0.66
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	20	0.66	0.04	0.66
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	20	0.66	0.04	0.66
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	20	0.66	0.07	0.65
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	20	0.66	0.14	0.6
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	20	0.66	0.32	0.5
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	20	0.66	0.0	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	20	0.66	0.01	0.66
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	20	0.66	0.04	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	20	0.65	0.0	0.65
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	20	0.65	0.06	0.64
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	20	0.65	0.06	0.64
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	20	0.65	0.06	0.64

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	20	0.65	0.03	0.66
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	20	0.65	0.0	0.65
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	20	0.65	0.27	0.75
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	20	0.65	0.06	0.66
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	20	0.65	0.25	0.6
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	20	0.65	0.25	0.6
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	20	0.65	0.25	0.6
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	20	0.65	0.03	0.66
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	20	0.65	0.03	0.66
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	20	0.65	0.03	0.66
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	20	0.65	0.01	0.65
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	20	0.65	0.01	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	20	0.65	0.0	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	20	0.65	0.0	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	20	0.65	0.0	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	20	0.65	0.0	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	20	0.65	0.01	0.65
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	20	0.65	0.02	0.64
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	20	0.65	0.17	0.74
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	20	0.64	0.02	0.64
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	20	0.64	0.13	0.67
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	20	0.64	0.16	0.51
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	20	0.64	0.31	0.87
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	20	0.64	0.35	0.5
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	20	0.64	0.33	0.48
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	20	0.64	0.02	0.64
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	20	0.64	0.05	0.64
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	20	0.64	0.05	0.64
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	20	0.64	0.05	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	20	0.64	0.01	0.64
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	20	0.64	0.03	0.65
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	20	0.64	0.01	0.64
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	20	0.64	0.01	0.64
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	20	0.64	0.09	0.62
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	20	0.64	0.05	0.64
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	20	0.64	0.14	0.58
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	20	0.64	0.19	0.64
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	20	0.64	0.01	0.64
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	20	0.64	0.03	0.64
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	20	0.64	0.24	0.76
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	20	0.64	0.05	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	20	0.64	0.0	0.64

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	20	0.64	0.01	0.64
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	20	0.64	0.28	0.74
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	20	0.64	0.08	0.66
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	20	0.64	0.08	0.66
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	20	0.64	0.08	0.66
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	20	0.64	0.01	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	20	0.64	0.01	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	20	0.64	0.01	0.64
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	20	0.64	0.08	0.65
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	20	0.63	0.01	0.63
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	20	0.63	0.04	0.63
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	20	0.63	0.01	0.63
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	20	0.63	0.02	0.62
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	20	0.63	0.01	0.63
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	20	0.63	0.03	0.62
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	20	0.63	0.56	0.36
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	20	0.63	0.0	0.63
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	20	0.63	0.11	0.6
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	20	0.63	0.11	0.6
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	20	0.63	0.11	0.6
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	20	0.63	0.08	0.6
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	20	0.63	0.07	0.64
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	20	0.63	0.05	0.62
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	20	0.63	0.01	0.62
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	20	0.63	0.01	0.62
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	20	0.63	0.01	0.62
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	20	0.63	0.01	0.62
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	20	0.63	0.0	0.63
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	20	0.63	0.14	0.56
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	20	0.63	0.14	0.56
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	20	0.63	0.14	0.56
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	20	0.63	0.14	0.56
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	20	0.62	0.3	0.4
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	20	0.62	0.22	0.73
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	20	0.62	0.05	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	20	0.62	0.01	0.62
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	20	0.62	0.04	0.62
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	20	0.62	0.04	0.62
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	20	0.62	0.04	0.62
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	20	0.62	0.04	0.62
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	20	0.62	0.04	0.62
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	20	0.62	0.04	0.62

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	20	0.62	0.04	0.62
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	20	0.62	0.04	0.62
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	20	0.62	0.04	0.62
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	20	0.62	0.02	0.62
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	20	0.62	0.03	0.63
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	20	0.62	0.03	0.62
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	20	0.62	0.03	0.62
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	20	0.62	0.03	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	20	0.62	0.0	0.62
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	20	0.62	0.01	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	20	0.62	0.0	0.62
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	20	0.62	0.08	0.65
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	20	0.62	0.01	0.62
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	20	0.62	0.02	0.62
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	20	0.62	0.02	0.62
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	20	0.62	0.02	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	20	0.62	0.0	0.62
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	20	0.62	0.12	0.64
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	20	0.62	0.01	0.62
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	20	0.62	0.01	0.62
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	20	0.61	0.04	0.62
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	20	0.61	0.06	0.6
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	20	0.61	0.02	0.61
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	20	0.61	0.14	0.56
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	20	0.61	0.24	0.54
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	20	0.61	0.06	0.61
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	20	0.61	0.03	0.61
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	20	0.61	0.13	0.72
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	20	0.61	0.02	0.62
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	20	0.61	0.02	0.62
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	20	0.61	0.02	0.62
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	20	0.61	0.08	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	20	0.61	0.0	0.61
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	20	0.61	0.06	0.58
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	20	0.61	0.0	0.61
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	20	0.61	0.12	0.59
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	20	0.61	0.05	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	20	0.6	0.01	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	20	0.6	0.01	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	20	0.6	0.01	0.6
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	20	0.6	0.01	0.6
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	20	0.6	0.15	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	20	0.6	0.05	0.6
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	20	0.6	0.02	0.6
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	20	0.6	0.02	0.6
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	20	0.6	0.02	0.6
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	20	0.6	0.19	0.56
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	20	0.6	0.01	0.6
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	20	0.6	0.02	0.6
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	20	0.6	0.33	0.52
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	20	0.6	0.33	0.52
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	20	0.6	0.33	0.52
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	20	0.6	0.02	0.61
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	20	0.6	0.23	0.48
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	20	0.6	0.02	0.6
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	20	0.6	0.02	0.6
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	20	0.6	0.07	0.6
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	20	0.6	0.02	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	20	0.6	0.01	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	20	0.6	0.01	0.6
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	20	0.59	0.01	0.59
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	20	0.59	0.02	0.59
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	20	0.59	0.04	0.59
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	20	0.59	0.04	0.59
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	20	0.59	0.04	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	20	0.59	0.07	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	20	0.59	0.07	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	20	0.59	0.07	0.61
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	20	0.59	0.0	0.59
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	20	0.59	0.05	0.58
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	20	0.59	0.05	0.58
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	20	0.59	0.05	0.58
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	20	0.59	0.14	0.53
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	20	0.59	0.01	0.59
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	20	0.59	0.14	0.56
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	20	0.59	0.04	0.57
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	20	0.59	0.04	0.58
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	20	0.59	0.04	0.57
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	20	0.59	0.04	0.59
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	20	0.59	0.04	0.59
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	20	0.59	0.04	0.59
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	20	0.58	0.05	0.59
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	20	0.58	0.31	0.48
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	20	0.58	0.01	0.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	20	0.58	0.08	0.6
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	20	0.58	0.01	0.58
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	20	0.58	0.01	0.58
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	20	0.58	0.02	0.58
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	20	0.58	0.01	0.58
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	20	0.58	0.1	0.6
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	20	0.58	0.01	0.58
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	20	0.58	0.02	0.59
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	20	0.58	0.01	0.58
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	20	0.58	0.01	0.58
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	20	0.58	0.03	0.57
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	20	0.58	0.0	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	20	0.58	0.0	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	20	0.58	0.0	0.58
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	20	0.58	0.08	0.61
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	20	0.58	0.01	0.57
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	20	0.58	0.01	0.58
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	20	0.57	0.01	0.57
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	20	0.57	0.04	0.57
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	20	0.57	0.07	0.59
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	20	0.57	0.05	0.57
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	20	0.57	0.05	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	20	0.57	0.0	0.57
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	20	0.57	0.08	0.55
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	20	0.57	0.01	0.57
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	20	0.57	0.02	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	20	0.57	0.01	0.57
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	20	0.57	0.08	0.56
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	20	0.57	0.02	0.57
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	20	0.57	0.02	0.57
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	20	0.57	0.02	0.57
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	20	0.57	0.04	0.56
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	20	0.57	0.23	0.44
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	20	0.57	0.23	0.44
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	20	0.57	0.23	0.44
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	20	0.57	0.03	0.57
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	20	0.57	0.02	0.57
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	20	0.57	0.27	0.42
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	20	0.57	0.16	0.44
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	20	0.57	0.02	0.56
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	20	0.56	0.22	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	20	0.56	0.22	0.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	20	0.56	0.22	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	20	0.56	0.22	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	20	0.56	0.22	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	20	0.56	0.22	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	20	0.56	0.22	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	20	0.56	0.22	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	20	0.56	0.22	0.52
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	20	0.56	0.02	0.56
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	20	0.56	0.06	0.57
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	20	0.56	0.0	0.56
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	20	0.56	0.1	0.58
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	20	0.56	0.04	0.55
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	20	0.56	0.03	0.56
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	20	0.56	0.04	0.58
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	20	0.56	0.03	0.56
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	20	0.56	0.12	0.52
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	20	0.56	0.19	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	20	0.56	0.19	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	20	0.56	0.19	0.67
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	20	0.56	0.07	0.53
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	20	0.56	0.0	0.56
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	20	0.56	0.28	0.34
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	20	0.56	0.0	0.56
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	20	0.56	0.04	0.55
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	20	0.56	0.06	0.58
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	20	0.56	0.13	0.6
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	20	0.56	0.13	0.6
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	20	0.56	0.13	0.6
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	20	0.56	0.03	0.56
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	20	0.56	0.03	0.56
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	20	0.56	0.03	0.56
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	20	0.56	0.26	0.41
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	20	0.56	0.05	0.58
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	20	0.55	0.13	0.62
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	20	0.55	0.05	0.54
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	20	0.55	0.02	0.55
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	20	0.55	0.23	0.54
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	20	0.55	0.02	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	20	0.55	0.0	0.55
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	20	0.55	0.04	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	20	0.55	0.01	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	20	0.55	0.01	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	20	0.55	0.01	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	20	0.55	0.01	0.55
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	20	0.55	0.02	0.55
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	20	0.55	0.12	0.5
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	20	0.55	0.02	0.55
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	20	0.55	0.05	0.54
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	20	0.55	0.08	0.51
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	20	0.55	0.06	0.55
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	20	0.54	0.01	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	20	0.54	0.02	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	20	0.54	0.02	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	20	0.54	0.02	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	20	0.54	0.02	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	20	0.54	0.02	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	20	0.54	0.02	0.55
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	20	0.54	0.01	0.55
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	20	0.54	0.01	0.55
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	20	0.54	0.01	0.55
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	20	0.54	0.01	0.55
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	20	0.54	0.01	0.54
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	20	0.54	0.25	0.35
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	20	0.54	0.31	0.77
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	20	0.54	0.0	0.54
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	20	0.54	0.13	0.52
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	20	0.54	0.05	0.52
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	20	0.54	0.02	0.55
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	20	0.54	0.02	0.54
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	20	0.54	0.25	0.31
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	20	0.53	0.03	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	20	0.53	0.03	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	20	0.53	0.03	0.54
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	20	0.53	0.1	0.55
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	20	0.53	0.08	0.5
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	20	0.53	0.01	0.53
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	20	0.53	0.12	0.45
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	20	0.53	0.54	0.41
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	20	0.53	0.54	0.41
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	20	0.53	0.54	0.41
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	20	0.53	0.01	0.53
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	20	0.53	0.05	0.54
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	20	0.53	0.06	0.52
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	20	0.53	0.03	0.53

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	20	0.53	0.03	0.53
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	20	0.53	0.03	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	20	0.53	0.0	0.53
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	20	0.53	0.02	0.53
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	20	0.53	0.01	0.52
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	20	0.52	0.56	0.23
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	20	0.52	0.56	0.23
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	20	0.52	0.03	0.53
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	20	0.52	0.01	0.52
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	20	0.52	0.26	0.68
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	20	0.52	0.0	0.52
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	20	0.52	0.09	0.5
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	20	0.52	0.19	0.48
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	20	0.52	0.19	0.48
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	20	0.52	0.03	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	20	0.52	0.0	0.52
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	20	0.52	0.01	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	20	0.52	0.02	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	20	0.52	0.02	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	20	0.52	0.02	0.52
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	20	0.52	0.05	0.52
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	20	0.52	0.05	0.52
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	20	0.52	0.05	0.52
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	20	0.52	0.22	0.45
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	20	0.52	0.02	0.52
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	20	0.52	0.25	0.66
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	20	0.51	0.24	0.7
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	20	0.51	0.15	0.46
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	20	0.51	0.38	0.43
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	20	0.51	0.38	0.43
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	20	0.51	0.38	0.43
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	20	0.51	0.03	0.51
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	20	0.51	0.02	0.51
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	20	0.51	0.15	0.46
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	20	0.51	0.31	0.26
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	20	0.51	0.01	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	20	0.51	0.01	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	20	0.51	0.01	0.51
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	20	0.51	0.01	0.51
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	20	0.51	0.01	0.51
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	20	0.51	0.01	0.51
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	20	0.51	0.16	0.46

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	20	0.51	0.09	0.54
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	20	0.51	0.09	0.54
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	20	0.51	0.09	0.54
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	20	0.51	0.07	0.53
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	20	0.51	0.09	0.54
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	20	0.5	0.01	0.5
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	20	0.5	0.13	0.45
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	20	0.5	0.23	0.39
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	20	0.5	0.01	0.5
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	20	0.5	0.16	0.37
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	20	0.5	0.0	0.5
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	20	0.5	0.23	0.44
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	20	0.5	0.01	0.5
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	20	0.5	0.01	0.5
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	20	0.5	0.01	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	20	0.5	0.02	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	20	0.5	0.02	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	20	0.5	0.02	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	20	0.5	0.02	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	20	0.5	0.02	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	20	0.5	0.02	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	20	0.5	0.02	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	20	0.5	0.02	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	20	0.5	0.02	0.5
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	20	0.5	0.07	0.44
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	20	0.49	0.33	0.36
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	20	0.49	0.03	0.49
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	20	0.49	0.01	0.49
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	20	0.49	0.01	0.49
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	20	0.49	0.01	0.49
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	20	0.49	0.01	0.49
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	20	0.49	0.01	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	20	0.49	0.01	0.48
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	20	0.49	0.03	0.48
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	20	0.49	0.01	0.49
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	20	0.49	0.04	0.5
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	20	0.49	0.03	0.48
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	20	0.49	0.02	0.49
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	20	0.49	0.03	0.48
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	20	0.49	0.03	0.48
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	20	0.49	0.03	0.48
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	20	0.49	0.02	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	20	0.48	0.02	0.49
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	20	0.48	0.02	0.49
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	20	0.48	0.01	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	20	0.48	0.01	0.48
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	20	0.48	0.03	0.48
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	20	0.48	0.1	0.46
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	20	0.48	0.03	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	20	0.48	0.0	0.48
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	20	0.48	0.01	0.47
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	20	0.48	0.01	0.47
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	20	0.48	0.04	0.47
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	20	0.48	0.02	0.47
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	20	0.47	0.03	0.48
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	20	0.47	0.02	0.48
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	20	0.47	0.02	0.47
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	20	0.47	0.06	0.5
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	20	0.47	0.25	0.46
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	20	0.47	0.25	0.46
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	20	0.47	0.25	0.46
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	20	0.47	0.01	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	20	0.47	0.01	0.47
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	20	0.47	0.01	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	20	0.47	0.0	0.47
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	20	0.47	0.01	0.47
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	20	0.47	0.01	0.47
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	20	0.47	0.31	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	20	0.47	0.23	0.37
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	20	0.47	0.47	0.36
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	20	0.47	0.47	0.36
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	20	0.47	0.47	0.36
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	20	0.47	0.01	0.47
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	20	0.47	0.18	0.38
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	20	0.46	0.08	0.46
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	20	0.46	0.03	0.47
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	20	0.46	0.02	0.47
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	20	0.46	0.02	0.47
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	20	0.46	0.23	0.35
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	20	0.46	0.08	0.48
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	20	0.46	0.01	0.46
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	20	0.46	0.08	0.44
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	20	0.46	0.05	0.48
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	20	0.46	0.06	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	20	0.46	0.01	0.46
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	20	0.46	0.02	0.46
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	20	0.46	0.29	0.6
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	20	0.46	0.03	0.46
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	20	0.46	0.02	0.45
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	20	0.46	0.03	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	20	0.46	0.01	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	20	0.46	0.01	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	20	0.46	0.01	0.46
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	20	0.46	0.01	0.46
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	20	0.46	0.01	0.46
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	20	0.45	0.05	0.44
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	20	0.45	0.02	0.45
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	20	0.45	0.13	0.46
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	20	0.45	0.0	0.45
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	20	0.45	0.18	0.36
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	20	0.45	0.18	0.36
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	20	0.45	0.18	0.36
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	20	0.45	0.02	0.45
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	20	0.45	0.02	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	20	0.45	0.01	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	20	0.45	0.01	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	20	0.45	0.01	0.45
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	20	0.45	0.02	0.44
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	20	0.45	0.01	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	20	0.45	0.0	0.45
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	20	0.45	0.01	0.45
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	20	0.45	0.04	0.44
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	20	0.45	0.4	0.27
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	20	0.45	0.4	0.27
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	20	0.45	0.4	0.27
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	20	0.44	0.03	0.44
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	20	0.44	0.08	0.4
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	20	0.44	0.07	0.44
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	20	0.44	0.01	0.45
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	20	0.44	0.02	0.44
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	20	0.44	0.07	0.47
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	20	0.44	0.01	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	20	0.44	0.02	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	20	0.44	0.02	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	20	0.44	0.02	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	20	0.44	0.02	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	20	0.44	0.02	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	20	0.44	0.02	0.44
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	20	0.44	0.2	0.39
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	20	0.44	0.03	0.44
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	20	0.44	0.46	0.36
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	20	0.44	0.46	0.36
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	20	0.44	0.46	0.36
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	20	0.44	0.01	0.44
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	20	0.43	0.08	0.44
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	20	0.43	0.28	0.44
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	20	0.43	0.1	0.44
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	20	0.43	0.02	0.43
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	20	0.43	0.15	0.36
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	20	0.43	0.02	0.43
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	20	0.43	0.02	0.43
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	20	0.43	0.06	0.44
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	20	0.43	0.01	0.43
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	20	0.43	0.01	0.43
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	20	0.43	0.01	0.43
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	20	0.43	0.11	0.41
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	20	0.43	0.01	0.42
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	20	0.43	0.01	0.42
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	20	0.43	0.07	0.43
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	20	0.42	0.03	0.44
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	20	0.42	0.01	0.42
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	20	0.42	0.01	0.42
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	20	0.42	0.01	0.42
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	20	0.42	0.03	0.42
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	20	0.42	0.02	0.43
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	20	0.42	0.0	0.42
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	20	0.42	0.13	0.36
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	20	0.42	0.32	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	20	0.42	0.32	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	20	0.42	0.32	0.35
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	20	0.42	0.13	0.37
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	20	0.42	0.08	0.4
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	20	0.42	0.01	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	20	0.42	0.01	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	20	0.42	0.01	0.42
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	20	0.42	0.07	0.44
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	20	0.42	0.02	0.42
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	20	0.42	0.16	0.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	20	0.42	0.0	0.42
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	20	0.42	0.04	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	20	0.42	0.0	0.42
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	20	0.42	0.01	0.42
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	20	0.42	0.04	0.42
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	20	0.42	0.02	0.42
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	20	0.42	0.24	0.36
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	20	0.42	0.04	0.41
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	20	0.42	0.04	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	20	0.42	0.0	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	20	0.42	0.0	0.42
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	20	0.42	0.0	0.42
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	20	0.42	0.05	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	20	0.42	0.01	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	20	0.42	0.01	0.41
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	20	0.42	0.01	0.41
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	20	0.42	0.01	0.41
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	20	0.42	0.01	0.41
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	20	0.41	0.02	0.41
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	20	0.41	0.01	0.41
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	20	0.41	0.04	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	20	0.41	0.0	0.41
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	20	0.41	0.2	0.31
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	20	0.41	0.01	0.41
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	20	0.41	0.02	0.42
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	20	0.41	0.0	0.41
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	20	0.41	0.03	0.41
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	20	0.41	0.25	0.18
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	20	0.41	0.02	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	20	0.41	0.0	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	20	0.41	0.0	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	20	0.41	0.0	0.41
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	20	0.41	0.03	0.4
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	20	0.41	0.05	0.39
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	20	0.41	0.01	0.41
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	20	0.41	0.01	0.4
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	20	0.41	0.01	0.4
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	20	0.41	0.01	0.4
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	20	0.4	0.01	0.4
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	20	0.4	0.03	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	20	0.4	0.03	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	20	0.4	0.03	0.41

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	20	0.4	0.23	0.37
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	20	0.4	0.01	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	20	0.4	0.0	0.4
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	20	0.4	0.01	0.4
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	20	0.4	0.02	0.4
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	20	0.4	0.01	0.4
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	20	0.4	0.02	0.4
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	20	0.4	0.02	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	20	0.4	0.0	0.4
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	20	0.4	0.06	0.41
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	20	0.4	0.06	0.41
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	20	0.4	0.0	0.4
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	20	0.4	0.03	0.4
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	20	0.4	0.04	0.4
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	20	0.4	0.15	0.32
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	20	0.4	0.02	0.4
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	20	0.4	0.02	0.41
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	20	0.4	0.01	0.39
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	20	0.4	0.02	0.39
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	20	0.4	0.01	0.4
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	20	0.4	0.01	0.4
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	20	0.4	0.01	0.4
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	20	0.39	0.11	0.4
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	20	0.39	0.02	0.4
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	20	0.39	0.05	0.4
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	20	0.39	0.01	0.4
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	20	0.39	0.07	0.4
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	20	0.39	0.18	0.3
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	20	0.39	0.18	0.3
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	20	0.39	0.18	0.3
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	20	0.39	0.03	0.4
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	20	0.39	0.01	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	20	0.39	0.01	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	20	0.39	0.01	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	20	0.39	0.01	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	20	0.39	0.0	0.39
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	20	0.39	0.01	0.39
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	20	0.39	0.35	0.32
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	20	0.39	0.01	0.39
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	20	0.39	0.31	0.17
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	20	0.39	0.01	0.39
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	20	0.39	0.03	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	20	0.39	0.04	0.38
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	20	0.39	0.04	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	20	0.38	0.01	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	20	0.38	0.01	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	20	0.38	0.01	0.39
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	20	0.38	0.05	0.39
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	20	0.38	0.01	0.38
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	20	0.38	0.08	0.36
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	20	0.38	0.16	0.34
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	20	0.38	0.16	0.34
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	20	0.38	0.16	0.34
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	20	0.38	0.16	0.34
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	20	0.38	0.16	0.34
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	20	0.38	0.16	0.34
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	20	0.38	0.01	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	20	0.38	0.01	0.38
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	20	0.38	0.03	0.38
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	20	0.38	0.02	0.37
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	20	0.38	0.01	0.38
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	20	0.38	0.01	0.38
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	20	0.38	0.04	0.37
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	20	0.38	0.05	0.38
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	20	0.38	0.12	0.36
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	20	0.38	0.12	0.36
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	20	0.38	0.12	0.36
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	20	0.38	0.0	0.38
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	20	0.37	0.1	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	20	0.37	0.02	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	20	0.37	0.02	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	20	0.37	0.02	0.37
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	20	0.37	0.02	0.38
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	20	0.37	0.01	0.37
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	20	0.37	0.03	0.38
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	20	0.37	0.05	0.38
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	20	0.37	0.33	0.3
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	20	0.37	0.33	0.3
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	20	0.37	0.33	0.3
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	20	0.37	0.02	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	20	0.37	0.01	0.37
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	20	0.37	0.05	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	20	0.37	0.0	0.37
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	20	0.37	0.12	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	20	0.37	0.04	0.35
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	20	0.37	0.24	0.21
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	20	0.37	0.01	0.37
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	20	0.37	0.02	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	20	0.36	0.0	0.36
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	20	0.36	0.07	0.37
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	20	0.36	0.07	0.37
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	20	0.36	0.07	0.37
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	20	0.36	0.04	0.35
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	20	0.36	0.21	0.28
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	20	0.36	0.01	0.36
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	20	0.36	0.02	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	20	0.36	0.0	0.36
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	20	0.36	0.03	0.36
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	20	0.36	0.02	0.36
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	20	0.36	0.04	0.34
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	20	0.36	0.16	0.32
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	20	0.36	0.03	0.36
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	20	0.36	0.03	0.36
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	20	0.36	0.03	0.36
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	20	0.36	0.03	0.36
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	20	0.35	0.05	0.37
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	20	0.35	0.05	0.37
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	20	0.35	0.05	0.37
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	20	0.35	0.16	0.32
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	20	0.35	0.08	0.34
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	20	0.35	0.2	0.29
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	20	0.35	0.02	0.35
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	20	0.35	0.02	0.35
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	20	0.35	0.02	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	20	0.35	0.0	0.35
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	20	0.35	0.21	0.28
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	20	0.35	0.01	0.35
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	20	0.35	0.04	0.36
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	20	0.35	0.22	0.24
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	20	0.35	0.05	0.33
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	20	0.35	0.05	0.33
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	20	0.35	0.05	0.33
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	20	0.35	0.01	0.35
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	20	0.35	0.01	0.34
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	20	0.35	0.02	0.34
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	20	0.35	0.01	0.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	20	0.34	0.01	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	20	0.34	0.01	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	20	0.34	0.01	0.34
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	20	0.34	0.31	0.22
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	20	0.34	0.01	0.34
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	20	0.34	0.01	0.34
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	20	0.34	0.03	0.34
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	20	0.34	0.01	0.34
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	20	0.34	0.25	0.24
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	20	0.34	0.02	0.34
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	20	0.34	0.02	0.33
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	20	0.34	0.12	0.3
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	20	0.34	0.07	0.34
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	20	0.34	0.07	0.34
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	20	0.34	0.07	0.34
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	20	0.34	0.03	0.34
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	20	0.34	0.04	0.32
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	20	0.33	0.24	0.23
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	20	0.33	0.02	0.34
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	20	0.33	0.08	0.3
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	20	0.33	0.03	0.32
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	20	0.33	0.01	0.33
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	20	0.33	0.2	0.24
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	20	0.33	0.22	0.22
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	20	0.33	0.04	0.32
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	20	0.33	0.0	0.33
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	20	0.33	0.01	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	20	0.33	0.0	0.33
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	20	0.33	0.02	0.33
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	20	0.33	0.03	0.33
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	20	0.33	0.03	0.33
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	20	0.33	0.03	0.33
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	20	0.33	0.03	0.32
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	20	0.33	0.01	0.32
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	20	0.32	0.01	0.32
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	20	0.32	0.01	0.32
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	20	0.32	0.02	0.33
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	20	0.32	0.04	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	20	0.32	0.02	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	20	0.32	0.02	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	20	0.32	0.02	0.32
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	20	0.32	0.05	0.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	20	0.32	0.05	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	20	0.32	0.0	0.32
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	20	0.32	0.08	0.32
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	20	0.32	0.02	0.32
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	20	0.32	0.02	0.32
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	20	0.32	0.02	0.32
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	20	0.32	0.04	0.32
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	20	0.32	0.03	0.32
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	20	0.32	0.02	0.32
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	20	0.32	0.01	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	20	0.32	0.0	0.32
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	20	0.32	0.01	0.32
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	20	0.32	0.03	0.32
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	20	0.31	0.01	0.32
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	20	0.31	0.05	0.32
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	20	0.31	0.02	0.32
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	20	0.31	0.0	0.31
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	20	0.31	0.31	0.24
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	20	0.31	0.01	0.32
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	20	0.31	0.01	0.32
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	20	0.31	0.01	0.32
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	20	0.31	0.0	0.31
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	20	0.31	0.03	0.32
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	20	0.31	0.01	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	20	0.31	0.0	0.31
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	20	0.31	0.05	0.31
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	20	0.31	0.01	0.31
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	20	0.31	0.03	0.32
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	20	0.31	0.26	0.14
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	20	0.31	0.0	0.31
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	20	0.31	0.09	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	20	0.31	0.09	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	20	0.31	0.09	0.29
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	20	0.31	0.03	0.31
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	20	0.31	0.03	0.31
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	20	0.31	0.03	0.31
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	20	0.31	0.01	0.31
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	20	0.31	0.09	0.3
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	20	0.31	0.1	0.28
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	20	0.3	0.01	0.3
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	20	0.3	0.01	0.3
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	20	0.3	0.02	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	20	0.3	0.0	0.3
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	20	0.3	0.01	0.3
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	20	0.3	0.01	0.3
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	20	0.3	0.04	0.3
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	20	0.3	0.04	0.3
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	20	0.3	0.04	0.3
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	20	0.3	0.04	0.3
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	20	0.3	0.07	0.3
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	20	0.29	0.03	0.29
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	20	0.29	0.03	0.29
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	20	0.29	0.03	0.29
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	20	0.29	0.05	0.29
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	20	0.29	0.02	0.3
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	20	0.29	0.02	0.3
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	20	0.29	0.03	0.29
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	20	0.29	0.01	0.29
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	20	0.29	0.03	0.27
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	20	0.29	0.19	0.23
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	20	0.29	0.01	0.29
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	20	0.29	0.04	0.3
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	20	0.29	0.21	0.22
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	20	0.29	0.02	0.29
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	20	0.28	0.02	0.29
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	20	0.28	0.27	0.22
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	20	0.28	0.0	0.28
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	20	0.28	0.05	0.27
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	20	0.28	0.01	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	20	0.28	0.0	0.28
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	20	0.28	0.38	0.2
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	20	0.28	0.38	0.2
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	20	0.28	0.38	0.2
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	20	0.28	0.02	0.28
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	20	0.28	0.09	0.27
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	20	0.28	0.02	0.28
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	20	0.28	0.07	0.3
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	20	0.28	0.01	0.28
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	20	0.28	0.07	0.31
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	20	0.28	0.07	0.31
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	20	0.28	0.07	0.31
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	20	0.27	0.01	0.27
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	20	0.27	0.02	0.28
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	20	0.27	0.32	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	20	0.27	0.02	0.28
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	20	0.27	0.01	0.27
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	20	0.27	0.03	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	20	0.27	0.02	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	20	0.27	0.02	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	20	0.27	0.02	0.27
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	20	0.27	0.04	0.28
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	20	0.27	0.03	0.28
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	20	0.27	0.01	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	20	0.27	0.0	0.27
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	20	0.27	0.01	0.26
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	20	0.27	0.2	0.17
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	20	0.27	0.2	0.17
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	20	0.27	0.2	0.17
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	20	0.27	0.03	0.26
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	20	0.27	0.01	0.26
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	20	0.27	0.01	0.27
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	20	0.27	0.25	0.16
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	20	0.27	0.01	0.27
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	20	0.27	0.01	0.27
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	20	0.27	0.01	0.27
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	20	0.27	0.01	0.27
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	20	0.27	0.01	0.27
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	20	0.26	0.04	0.28
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	20	0.26	0.04	0.25
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	20	0.26	0.05	0.27
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	20	0.26	0.01	0.27
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	20	0.26	0.03	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	20	0.26	0.0	0.26
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	20	0.26	0.03	0.26
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	20	0.26	0.03	0.26
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	20	0.26	0.03	0.26
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	20	0.26	0.23	0.2
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	20	0.26	0.03	0.26
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	20	0.26	0.05	0.25
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	20	0.26	0.05	0.24
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	20	0.25	0.01	0.25
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	20	0.25	0.05	0.26
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	20	0.25	0.05	0.26
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	20	0.25	0.05	0.26
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	20	0.25	0.05	0.26
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	20	0.25	0.05	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	20	0.25	0.05	0.26
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	20	0.25	0.02	0.26
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	20	0.25	0.08	0.23
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	20	0.25	0.0	0.25
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	20	0.25	0.01	0.25
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	20	0.25	0.02	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	20	0.25	0.01	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	20	0.25	0.01	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	20	0.25	0.01	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	20	0.25	0.0	0.25
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	20	0.25	0.04	0.24
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	20	0.25	0.01	0.25
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	20	0.25	0.08	0.24
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	20	0.25	0.08	0.24
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	20	0.25	0.08	0.24
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	20	0.25	0.38	0.16
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	20	0.25	0.38	0.16
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	20	0.25	0.38	0.16
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	20	0.25	0.02	0.24
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	20	0.25	0.02	0.25
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	20	0.25	0.02	0.25
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	20	0.25	0.02	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	20	0.24	0.03	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	20	0.24	0.03	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	20	0.24	0.03	0.24
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	20	0.24	0.02	0.24
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	20	0.24	0.02	0.24
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	20	0.24	0.01	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	20	0.24	0.0	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	20	0.24	0.0	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	20	0.24	0.0	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	20	0.24	0.0	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	20	0.24	0.0	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	20	0.24	0.0	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	20	0.24	0.0	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	20	0.24	0.0	0.24
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	20	0.24	0.01	0.24
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	20	0.24	0.01	0.24
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	20	0.24	0.05	0.24
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	20	0.24	0.08	0.22
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	20	0.24	0.08	0.22
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	20	0.24	0.08	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	20	0.24	0.04	0.22
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	20	0.24	0.01	0.23
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	20	0.23	0.01	0.24
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	20	0.23	0.03	0.23
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	20	0.23	0.02	0.24
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	20	0.23	0.03	0.22
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	20	0.23	0.0	0.23
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	20	0.23	0.03	0.22
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	20	0.23	0.01	0.22
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	20	0.23	0.02	0.23
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	20	0.22	0.01	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	20	0.22	0.01	0.22
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	20	0.22	0.02	0.22
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	20	0.22	0.01	0.22
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	20	0.22	0.01	0.22
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	20	0.22	0.02	0.22
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	20	0.21	0.03	0.21
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	20	0.21	0.42	0.12
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	20	0.21	0.42	0.12
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	20	0.21	0.42	0.12
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	20	0.21	0.03	0.21
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	20	0.21	0.02	0.21
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	20	0.21	0.02	0.21
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	20	0.21	0.03	0.2
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	20	0.21	0.02	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	20	0.21	0.0	0.21
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	20	0.21	0.02	0.22
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	20	0.21	0.01	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	20	0.21	0.0	0.21
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	20	0.21	0.02	0.21
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	20	0.21	0.02	0.21
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	20	0.21	0.02	0.21
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	20	0.21	0.01	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	20	0.21	0.02	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	20	0.21	0.02	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	20	0.21	0.02	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	20	0.21	0.0	0.21
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	20	0.21	0.02	0.21
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	20	0.21	0.02	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	20	0.2	0.0	0.2
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	20	0.2	0.02	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	20	0.2	0.0	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	20	0.2	0.05	0.18
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	20	0.2	0.03	0.2
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	20	0.2	0.08	0.18
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	20	0.2	0.01	0.19
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	20	0.2	0.24	0.14
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	20	0.19	0.05	0.18
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	20	0.19	0.01	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	20	0.19	0.0	0.19
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	20	0.19	0.01	0.19
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	20	0.19	0.08	0.17
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	20	0.19	0.04	0.18
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	20	0.19	0.04	0.18
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	20	0.19	0.04	0.18
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	20	0.19	0.02	0.19
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	20	0.19	0.02	0.19
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	20	0.19	0.02	0.17
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	20	0.19	0.0	0.19
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	20	0.18	0.02	0.19
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	20	0.18	0.0	0.18
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	20	0.18	0.01	0.18
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	20	0.18	0.01	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	20	0.18	0.0	0.18
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	20	0.18	0.08	0.14
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	20	0.17	0.0	0.17
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	20	0.17	0.01	0.18
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	20	0.17	0.0	0.17
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	20	0.17	0.03	0.18
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	20	0.17	0.01	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	20	0.17	0.0	0.17
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	20	0.17	0.02	0.17
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	20	0.17	0.04	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	20	0.16	0.01	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	20	0.16	0.01	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	20	0.16	0.01	0.16
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	20	0.16	0.04	0.16
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	20	0.16	0.02	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	20	0.16	0.0	0.16
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	20	0.16	0.03	0.16
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	20	0.16	0.02	0.16
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	20	0.16	0.02	0.16
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	20	0.16	0.03	0.16
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	20	0.16	0.09	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	20	0.15	0.01	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	20	0.15	0.01	0.15
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	20	0.15	0.01	0.15
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	20	0.15	0.02	0.15
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	20	0.15	0.02	0.15
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	20	0.15	0.03	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	20	0.15	0.0	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	20	0.15	0.0	0.15
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	20	0.15	0.01	0.15
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	20	0.14	0.0	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	20	0.14	0.0	0.14
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	20	0.14	0.01	0.14
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	20	0.13	0.01	0.13
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	20	0.13	0.09	0.11
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	20	0.13	0.0	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	20	0.13	0.0	0.13
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	20	0.13	0.01	0.13
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	20	0.13	0.01	0.13
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	20	0.12	0.01	0.12
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	20	0.12	0.01	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	20	0.12	0.0	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	20	0.12	0.0	0.12
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	20	0.1	0.0	0.1
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	19	1.43	0.04	1.43
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	19	1.43	0.04	1.43
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	19	1.43	0.04	1.43
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	19	1.38	0.66	1.6
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	19	1.25	0.74	1.73
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	19	1.21	0.04	1.21
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	19	1.21	0.04	1.21
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	19	1.21	0.04	1.21
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	19	1.19	0.8	0.97
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	19	1.17	0.04	1.17
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	19	1.17	0.04	1.17
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	19	1.17	0.04	1.17
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	19	1.13	0.02	1.13
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	19	1.13	0.02	1.13
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	19	1.13	0.02	1.13
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	19	1.12	0.05	1.12
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	19	1.12	0.05	1.12
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	19	1.12	0.05	1.12
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	19	1.1	0.02	1.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	19	1.03	0.4	1.14
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	19	1.03	0.4	1.14
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	19	1.03	0.4	1.14
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	19	1.03	0.02	1.03
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	19	1.03	0.02	1.03
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	19	1.03	0.02	1.03
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	19	1.03	0.02	1.02
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	19	0.99	0.04	0.98
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	19	0.99	0.04	0.98
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	19	0.99	0.04	0.98
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	19	0.97	0.03	0.98
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	19	0.92	0.57	0.75
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	19	0.9	0.02	0.9
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	19	0.9	0.03	0.9
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	19	0.9	0.32	0.98
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	19	0.9	0.32	0.98
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	19	0.9	0.32	0.98
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	19	0.89	0.3	1.09
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	19	0.84	0.1	0.84
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	19	0.83	0.11	0.86
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	19	0.76	0.04	0.77
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	19	0.76	0.04	0.77
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	19	0.76	0.04	0.77
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	19	0.74	0.48	0.65
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	19	0.74	0.25	0.88
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	19	0.72	0.04	0.72
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	19	0.71	0.04	0.71
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	19	0.71	0.38	0.75
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	19	0.69	0.03	0.69
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	19	0.69	0.27	0.84
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	19	0.68	0.29	0.77
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	19	0.58	0.13	0.61
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	19	0.58	0.02	0.58
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	19	0.56	0.03	0.55
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	19	0.53	0.24	0.66
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	19	0.53	0.14	0.59
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	19	0.52	0.1	0.51
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	19	0.52	0.1	0.51
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	19	0.52	0.1	0.51
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	19	0.5	0.07	0.5
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	19	0.49	0.02	0.49
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	19	0.47	0.33	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	19	0.45	0.05	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	19	0.45	0.05	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	19	0.45	0.05	0.45
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	19	0.43	0.1	0.41
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	19	0.4	0.01	0.4
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	19	0.4	0.19	0.44
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	19	0.37	0.02	0.38
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	19	0.36	0.06	0.35
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	19	0.35	0.04	0.35
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	19	0.35	0.05	0.35
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	19	0.33	0.16	0.25
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	19	0.32	0.1	0.31
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	19	0.32	0.1	0.31
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	19	0.32	0.1	0.31
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	19	0.32	0.05	0.32
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	19	0.32	0.05	0.32
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	19	0.32	0.05	0.32
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	19	0.3	0.08	0.28
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	19	0.29	0.04	0.3
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	19	0.25	0.06	0.26
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	19	0.25	0.05	0.26
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	19	0.23	0.03	0.23
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	19	0.22	0.02	0.22
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	19	0.22	0.11	0.19
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	19	0.22	0.06	0.21
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	19	0.22	0.08	0.22
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	19	0.22	0.05	0.21
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	19	0.22	0.05	0.21
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	19	0.22	0.05	0.21
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	19	0.2	0.01	0.2
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	19	0.2	0.01	0.2
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	19	0.2	0.01	0.2
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	19	0.19	0.01	0.19
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	19	0.19	0.03	0.19
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	19	0.18	0.04	0.17
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	19	0.18	0.04	0.17
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	19	0.18	0.04	0.17
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	19	0.18	0.01	0.18
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	19	0.16	0.03	0.17
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	19	0.16	0.03	0.17
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	19	0.16	0.03	0.17
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	19	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	19	0.13	0.02	0.14
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	19	0.12	0.01	0.12
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	19	0.12	0.01	0.12
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	18	1.15	0.24	1.03
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	18	1.15	0.06	1.16
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	18	1.11	0.18	1.15
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	18	1.05	0.04	1.05
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	18	0.99	0.24	0.87
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	18	0.97	0.55	0.97
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	18	0.96	0.36	1.15
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	18	0.93	0.34	1.16
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	18	0.89	0.19	0.94
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	18	0.84	0.45	0.98
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	18	0.83	0.04	0.82
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	18	0.8	0.44	1.1
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	18	0.69	0.02	0.69
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	18	0.69	0.08	0.7
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	18	0.6	0.03	0.59
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	18	0.59	0.6	0.2
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	18	0.54	0.02	0.55
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	18	0.51	0.2	0.44
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	18	0.5	0.13	0.57
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	18	0.5	0.3	0.32
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	18	0.46	0.14	0.52
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	18	0.46	0.07	0.48
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	18	0.37	0.05	0.38
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	18	0.36	0.07	0.38
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	18	0.31	0.58	0.18
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	18	0.31	0.58	0.18
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	18	0.31	0.58	0.18
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	18	0.3	0.06	0.3
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	18	0.3	0.1	0.26
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	18	0.29	0.15	0.25
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	18	0.29	0.15	0.25
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	18	0.29	0.15	0.25
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	18	0.29	0.06	0.3
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	18	0.28	0.08	0.3
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	18	0.21	0.07	0.21
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	18	0.19	0.04	0.18
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	18	0.18	0.2	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	18	0.18	0.2	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	18	0.18	0.2	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	18	0.13	0.02	0.13
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	18	0.12	0.01	0.12
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	18	0.11	0.01	0.11
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	17	1.86	0.03	1.86
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	17	1.86	0.03	1.86
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	17	1.86	0.03	1.86
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	17	1.67	0.03	1.67
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	17	1.67	0.03	1.67
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	17	1.67	0.03	1.67
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	17	1.42	0.06	1.42
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	17	1.21	0.04	1.21
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	17	1.06	0.22	1.14
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	17	0.9	0.05	0.92
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	17	0.88	0.05	0.89
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	17	0.87	0.2	0.87
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	17	0.85	0.24	0.96
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	17	0.76	0.08	0.77
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	17	0.7	0.22	0.7
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	17	0.69	0.02	0.69
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	17	0.67	0.14	0.71
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	17	0.63	0.03	0.64
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	17	0.53	0.4	0.36
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	17	0.46	0.19	0.54
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	17	0.45	0.22	0.38
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	17	0.34	0.06	0.34
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	17	0.3	0.16	0.22
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	17	0.28	0.08	0.31
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	17	0.23	0.08	0.21
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	17	0.23	0.16	0.18
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	17	0.22	0.03	0.24
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	17	0.22	0.13	0.15
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	17	0.21	0.06	0.23
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	17	0.2	0.09	0.17
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	17	0.2	0.03	0.21
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	17	0.19	0.05	0.19
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	17	0.19	0.02	0.19
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	17	0.18	0.04	0.18
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	17	0.16	0.02	0.15
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	17	0.13	0.02	0.13
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	17	0.13	0.02	0.13
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	17	0.13	0.02	0.13
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	17	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	16	1.69	0.12	1.66
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	16	1.56	0.59	1.6
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	16	1.1	0.17	1.05
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	16	0.82	0.02	0.82
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	16	0.79	0.11	0.81
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	16	0.71	0.3	0.88
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	16	0.66	0.29	0.57
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	16	0.62	0.34	0.62
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	16	0.57	0.05	0.59
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	16	0.56	0.41	0.4
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	16	0.5	0.15	0.46
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	16	0.5	0.31	0.4
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	16	0.44	0.05	0.44
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	16	0.43	0.03	0.44
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	16	0.41	0.01	0.41
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	16	0.4	0.1	0.38
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	16	0.38	0.05	0.37
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	16	0.37	0.05	0.36
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	16	0.32	0.07	0.29
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	16	0.31	0.05	0.3
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	16	0.3	0.61	0.15
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	16	0.3	0.61	0.15
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	16	0.3	0.61	0.15
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	16	0.28	0.09	0.3
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	16	0.28	0.09	0.3
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	16	0.28	0.09	0.3
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	16	0.27	0.08	0.26
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	16	0.22	0.06	0.22
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	16	0.22	0.06	0.22
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	16	0.22	0.06	0.22
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	16	0.18	0.05	0.16
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	16	0.18	0.05	0.16
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	16	0.18	0.05	0.16
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	16	0.18	0.05	0.16
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	16	0.18	0.05	0.16
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	16	0.18	0.05	0.16
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	16	0.18	0.05	0.18
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	16	0.15	0.03	0.15
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	16	0.14	0.02	0.14
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	16	0.12	0.01	0.12
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	15	1.11	0.27	1.18
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	15	1.05	0.05	1.05

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	15	0.99	0.05	0.98
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	15	0.91	0.35	1.15
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	15	0.82	0.24	0.83
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	15	0.78	0.18	0.8
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	15	0.67	0.23	0.53
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	15	0.63	0.3	0.46
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	15	0.52	0.21	0.51
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	15	0.41	0.21	0.38
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	15	0.41	0.21	0.38
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	15	0.39	0.01	0.39
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	15	0.35	0.43	0.14
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	15	0.29	0.17	0.25
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	15	0.28	0.13	0.27
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	15	0.28	0.13	0.27
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	15	0.28	0.13	0.27
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	15	0.24	0.08	0.23
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	15	0.23	0.05	0.24
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	15	0.21	0.09	0.19
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	15	0.2	0.01	0.19
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	15	0.19	0.04	0.2
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	15	0.14	0.04	0.13
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	15	0.14	0.03	0.14
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	15	0.14	0.02	0.13
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	15	0.11	0.01	0.11
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	14	1.72	0.32	1.82
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	14	1.72	0.32	1.82
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	14	1.72	0.32	1.82
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	14	1.51	0.21	1.56
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	14	1.01	0.91	0.7
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	14	1.0	0.28	0.92
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	14	1.0	0.28	0.92
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	14	1.0	0.28	0.92
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	14	0.79	0.01	0.8
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	14	0.78	0.28	0.7
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	14	0.69	0.15	0.68
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	14	0.69	0.17	0.73
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	14	0.66	0.33	0.66
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	14	0.61	0.27	0.77
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	14	0.54	0.5	0.19
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	14	0.47	0.07	0.44
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	14	0.42	0.38	0.22
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	14	0.31	0.05	0.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	14	0.3	0.07	0.31
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	14	0.28	0.18	0.14
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	14	0.24	0.1	0.22
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	14	0.19	0.14	0.14
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	14	0.19	0.22	0.12
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	14	0.13	0.03	0.13
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	14	0.13	0.03	0.13
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	14	0.13	0.03	0.13
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	13	1.02	0.27	1.15
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	13	0.91	0.2	1.0
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	13	0.81	0.27	0.93
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	13	0.67	0.38	0.7
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	13	0.62	0.14	0.6
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	13	0.6	0.03	0.61
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	13	0.58	0.23	0.46
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	13	0.43	0.29	0.44
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	13	0.34	0.1	0.34
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	13	0.29	0.15	0.19
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	13	0.28	0.12	0.27
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	13	0.25	0.23	0.23
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	13	0.24	0.04	0.23
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	13	0.22	0.11	0.19
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	13	0.22	0.11	0.19
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	13	0.22	0.11	0.19
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	13	0.19	0.06	0.18
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	13	0.19	0.06	0.18
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	13	0.19	0.06	0.18
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	13	0.16	0.04	0.16
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	13	0.15	0.03	0.16
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	13	0.11	0.01	0.11
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	12	1.2	0.78	1.55
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	12	0.82	0.01	0.82
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	12	0.78	0.44	0.62
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	12	0.75	0.25	0.89
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	12	0.74	0.04	0.73
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	12	0.66	0.02	0.65
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	12	0.65	0.01	0.64
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	12	0.58	0.1	0.58
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	12	0.44	0.31	0.24
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	12	0.38	0.14	0.38
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	12	0.37	0.08	0.38
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	12	0.32	0.02	0.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	12	0.3	0.06	0.29
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	12	0.27	0.12	0.32
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	12	0.26	0.04	0.26
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	12	0.26	0.23	0.18
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	12	0.24	0.1	0.21
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	12	0.22	0.05	0.2
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	12	0.19	0.01	0.19
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	12	0.16	0.03	0.16
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	12	0.15	0.03	0.14
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	12	0.13	0.01	0.12
(1,7)	1:123:A:TYR:HE1	1:122:A:HIS:HB2	11	1.17	0.15	1.17
(1,7)	1:123:A:TYR:HE2	1:122:A:HIS:HB2	11	1.17	0.15	1.17
(4,876)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	11	1.16	0.2	1.22
(4,1322)	1:166:A:ASN:H	1:166:A:ASN:HD21	11	1.0	0.12	1.0
(2,1951)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	11	0.67	0.04	0.66
(2,1213)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	11	0.63	0.04	0.62
(2,648)	1:80:A:LYS:HE2	1:80:A:LYS:HA	11	0.6	0.48	0.54
(4,833)	1:76:A:ASN:HB2	1:76:A:ASN:HD21	11	0.51	0.02	0.52
(4,1078)	1:136:A:LYS:HG3	1:137:A:ALA:H	11	0.4	0.37	0.13
(2,1355)	1:79:A:MET:HG3	1:79:A:MET:HA	11	0.36	0.12	0.34
(4,1227)	1:111:A:PHE:HA	1:112:A:GLY:H	11	0.28	0.07	0.27
(2,2347)	1:167:A:ARG:HG3	1:167:A:ARG:HA	11	0.26	0.45	0.12
(4,1292)	1:116:A:LEU:HG	1:117:A:SER:H	11	0.19	0.1	0.17
(2,2963)	1:79:A:MET:HA	1:78:A:VAL:HB	11	0.16	0.03	0.17
(4,966)	1:2:A:ARG:HG3	1:2:A:ARG:H	10	1.0	0.26	0.98
(2,2396)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	10	0.87	0.29	0.94
(2,1288)	1:140:A:LYS:HB3	1:140:A:LYS:HD3	10	0.77	0.19	0.83
(4,243)	1:3:A:LYS:H	1:2:A:ARG:HG3	10	0.68	0.17	0.74
(4,1121)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	10	0.68	0.03	0.68
(2,1699)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	10	0.53	0.25	0.42
(2,1401)	1:140:A:LYS:HG3	1:140:A:LYS:HD3	10	0.48	0.03	0.49
(4,1492)	1:2:A:ARG:HB3	1:3:A:LYS:H	10	0.47	0.17	0.52
(4,1211)	1:153:A:LEU:HB2	1:153:A:LEU:H	10	0.32	0.16	0.42
(2,930)	1:23:A:ARG:HD3	1:24:A:ILE:H	10	0.29	0.27	0.24
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD11	10	0.21	0.03	0.21
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD12	10	0.21	0.03	0.21
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD13	10	0.21	0.03	0.21
(4,486)	1:40:A:LEU:HD21	1:41:A:THR:H	10	0.15	0.03	0.16
(4,486)	1:40:A:LEU:HD22	1:41:A:THR:H	10	0.15	0.03	0.16
(4,486)	1:40:A:LEU:HD23	1:41:A:THR:H	10	0.15	0.03	0.16
(4,486)	1:40:A:LEU:HD11	1:41:A:THR:H	10	0.15	0.03	0.16
(4,486)	1:40:A:LEU:HD12	1:41:A:THR:H	10	0.15	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,486)	1:40:A:LEU:HD13	1:41:A:THR:H	10	0.15	0.03	0.16
(4,777)	1:29:A:LEU:HD21	1:30:A:LEU:H	10	0.15	0.03	0.15
(4,777)	1:29:A:LEU:HD22	1:30:A:LEU:H	10	0.15	0.03	0.15
(4,777)	1:29:A:LEU:HD23	1:30:A:LEU:H	10	0.15	0.03	0.15
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD11	10	0.14	0.03	0.13
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD12	10	0.14	0.03	0.13
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD13	10	0.14	0.03	0.13
(4,108)	1:77:A:ARG:HB3	1:78:A:VAL:H	10	0.13	0.02	0.13
(4,1063)	1:80:A:LYS:HD3	1:81:A:THR:H	9	0.98	0.1	1.01
(2,576)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	9	0.68	0.01	0.68
(4,43)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	9	0.6	0.25	0.73
(2,1901)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	9	0.57	0.01	0.57
(4,462)	1:144:A:ARG:HD2	1:145:A:MET:H	9	0.56	0.29	0.72
(4,479)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	9	0.5	0.02	0.5
(1,20)	1:123:A:TYR:HE1	1:122:A:HIS:HB3	9	0.5	0.16	0.45
(1,20)	1:123:A:TYR:HE2	1:122:A:HIS:HB3	9	0.5	0.16	0.45
(2,1231)	1:167:A:ARG:HD3	1:167:A:ARG:HA	9	0.44	0.36	0.17
(2,613)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	9	0.36	0.3	0.27
(4,1501)	1:133:A:SER:HB3	1:133:A:SER:H	9	0.34	0.02	0.34
(2,2957)	1:79:A:MET:HG2	1:80:A:LYS:H	9	0.33	0.12	0.31
(2,1619)	1:72:A:LEU:HB2	1:80:A:LYS:H	9	0.25	0.3	0.14
(2,1500)	1:130:A:ASN:HB2	1:129:A:ASN:H	9	0.24	0.18	0.18
(4,1000)	1:3:A:LYS:H	1:4:A:LEU:H	9	0.2	0.09	0.17
(4,214)	1:99:A:TYR:HB3	1:100:A:ILE:H	9	0.16	0.05	0.14
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD11	9	0.16	0.04	0.16
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD12	9	0.16	0.04	0.16
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD13	9	0.16	0.04	0.16
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD11	9	0.16	0.04	0.16
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD12	9	0.16	0.04	0.16
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD13	9	0.16	0.04	0.16
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD11	9	0.16	0.04	0.16
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD12	9	0.16	0.04	0.16
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD13	9	0.16	0.04	0.16
(4,879)	1:34:A:PRO:HG2	1:35:A:SER:H	9	0.16	0.04	0.15
(4,1119)	1:140:A:LYS:H	1:140:A:LYS:HD2	9	0.15	0.03	0.16
(4,1553)	1:10:A:LYS:HA	1:11:A:GLN:H	9	0.12	0.02	0.12
(4,229)	1:37:A:GLN:H	1:37:A:GLN:HG3	8	0.87	0.04	0.88
(4,1005)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	8	0.79	0.02	0.79
(4,105)	1:120:A:LYS:HG3	1:121:A:GLN:H	8	0.76	0.15	0.82
(4,648)	1:111:A:PHE:HB2	1:112:A:GLY:H	8	0.71	0.47	0.86
(4,964)	1:136:A:LYS:HD2	1:137:A:ALA:H	8	0.59	0.12	0.61
(4,1328)	1:37:A:GLN:HG3	1:37:A:GLN:HE21	8	0.56	0.01	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,196)	1:73:A:SER:H	1:73:A:SER:HB2	8	0.45	0.04	0.44
(4,70)	1:60:A:HIS:HB3	1:61:A:ILE:H	8	0.36	0.08	0.34
(4,433)	1:162:A:ARG:HB3	1:162:A:ARG:H	8	0.31	0.23	0.24
(4,440)	1:35:A:SER:HB3	1:35:A:SER:H	8	0.29	0.03	0.3
(4,1248)	1:103:A:ARG:HD3	1:104:A:GLN:H	8	0.28	0.08	0.3
(4,124)	1:60:A:HIS:H	1:60:A:HIS:HB2	8	0.28	0.04	0.26
(4,642)	1:120:A:LYS:HG2	1:120:A:LYS:H	8	0.28	0.03	0.26
(4,246)	1:103:A:ARG:H	1:102:A:ASN:HB2	8	0.27	0.05	0.27
(4,31)	1:117:A:SER:H	1:102:A:ASN:HB3	8	0.24	0.06	0.26
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD11	8	0.18	0.06	0.16
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD12	8	0.18	0.06	0.16
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD13	8	0.18	0.06	0.16
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD11	8	0.18	0.06	0.16
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD12	8	0.18	0.06	0.16
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD13	8	0.18	0.06	0.16
(4,1347)	1:3:A:LYS:HA	1:4:A:LEU:H	8	0.13	0.01	0.13
(4,379)	1:153:A:LEU:HD11	1:153:A:LEU:H	7	1.34	0.21	1.42
(4,379)	1:153:A:LEU:HD12	1:153:A:LEU:H	7	1.34	0.21	1.42
(4,379)	1:153:A:LEU:HD13	1:153:A:LEU:H	7	1.34	0.21	1.42
(2,2278)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	7	0.96	0.03	0.95
(2,2278)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	7	0.96	0.03	0.95
(2,2278)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	7	0.96	0.03	0.95
(4,104)	1:153:A:LEU:HG	1:154:A:ALA:H	7	0.91	0.05	0.89
(4,1398)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	7	0.82	0.35	1.03
(2,3011)	1:121:A:GLN:HG3	1:121:A:GLN:HE22	7	0.57	0.16	0.67
(4,1393)	1:10:A:LYS:HE3	1:11:A:GLN:H	7	0.52	0.28	0.48
(2,1773)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	7	0.51	0.02	0.51
(2,2327)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	7	0.49	0.02	0.49
(2,2007)	1:111:A:PHE:HB3	1:112:A:GLY:H	7	0.49	0.22	0.64
(4,365)	1:147:A:ASN:H	1:146:A:HIS:HB3	7	0.38	0.05	0.38
(4,1203)	1:162:A:ARG:HD3	1:163:A:VAL:H	7	0.37	0.14	0.33
(2,3098)	1:88:A:LYS:HB3	1:88:A:LYS:H	7	0.35	0.39	0.11
(4,81)	1:10:A:LYS:HE2	1:11:A:GLN:H	7	0.34	0.28	0.2
(4,1010)	1:79:A:MET:H	1:79:A:MET:HG2	7	0.32	0.12	0.35
(4,1472)	1:108:A:GLY:H	1:107:A:PRO:HG2	7	0.29	0.1	0.29
(4,87)	1:80:A:LYS:HD2	1:80:A:LYS:H	7	0.21	0.09	0.2
(2,1163)	1:44:A:GLN:HB2	1:45:A:SER:H	7	0.18	0.04	0.18
(2,3138)	1:98:A:PHE:H	1:97:A:GLU:HG2	7	0.16	0.03	0.17
(2,325)	1:94:A:PRO:HA	1:95:A:THR:H	7	0.16	0.04	0.16
(4,987)	1:37:A:GLN:H	1:36:A:LEU:H	7	0.14	0.04	0.12
(4,438)	1:13:A:ASP:HB2	1:13:A:ASP:H	7	0.12	0.02	0.13
(4,910)	1:74:A:LEU:H	1:74:A:LEU:HA	7	0.1	0.0	0.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,2870)	1:29:A:LEU:HD21	1:29:A:LEU:HA	6	1.83	0.03	1.84
(2,2870)	1:29:A:LEU:HD22	1:29:A:LEU:HA	6	1.83	0.03	1.84
(2,2870)	1:29:A:LEU:HD23	1:29:A:LEU:HA	6	1.83	0.03	1.84
(2,537)	1:29:A:LEU:HD21	1:29:A:LEU:HA	6	1.71	0.03	1.72
(2,537)	1:29:A:LEU:HD22	1:29:A:LEU:HA	6	1.71	0.03	1.72
(2,537)	1:29:A:LEU:HD23	1:29:A:LEU:HA	6	1.71	0.03	1.72
(4,740)	1:88:A:LYS:HG3	1:88:A:LYS:H	6	1.07	0.12	1.04
(4,1415)	1:3:A:LYS:HG3	1:3:A:LYS:H	6	0.71	0.42	0.82
(4,1404)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	6	0.66	0.02	0.66
(4,704)	1:77:A:ARG:HD3	1:78:A:VAL:H	6	0.57	0.32	0.52
(2,1777)	1:15:A:LEU:HD11	1:15:A:LEU:HA	6	0.54	0.51	0.18
(2,1777)	1:15:A:LEU:HD12	1:15:A:LEU:HA	6	0.54	0.51	0.18
(2,1777)	1:15:A:LEU:HD13	1:15:A:LEU:HA	6	0.54	0.51	0.18
(2,490)	1:11:A:GLN:HG2	1:12:A:GLY:H	6	0.49	0.23	0.6
(2,2266)	1:29:A:LEU:HG	1:29:A:LEU:H	6	0.46	0.09	0.44
(2,2969)	1:51:A:LEU:HD21	1:51:A:LEU:HA	6	0.43	0.72	0.11
(2,2969)	1:51:A:LEU:HD22	1:51:A:LEU:HA	6	0.43	0.72	0.11
(2,2969)	1:51:A:LEU:HD23	1:51:A:LEU:HA	6	0.43	0.72	0.11
(4,1430)	1:140:A:LYS:HB2	1:141:A:GLY:H	6	0.22	0.17	0.15
(4,895)	1:74:A:LEU:HD11	1:75:A:ASN:H	6	0.2	0.01	0.2
(4,895)	1:74:A:LEU:HD12	1:75:A:ASN:H	6	0.2	0.01	0.2
(4,895)	1:74:A:LEU:HD13	1:75:A:ASN:H	6	0.2	0.01	0.2
(4,1016)	1:15:A:LEU:HD21	1:26:A:THR:H	6	0.19	0.04	0.2
(4,1016)	1:15:A:LEU:HD22	1:26:A:THR:H	6	0.19	0.04	0.2
(4,1016)	1:15:A:LEU:HD23	1:26:A:THR:H	6	0.19	0.04	0.2
(4,1097)	1:15:A:LEU:HD11	1:26:A:THR:H	6	0.19	0.05	0.18
(4,1097)	1:15:A:LEU:HD12	1:26:A:THR:H	6	0.19	0.05	0.18
(4,1097)	1:15:A:LEU:HD13	1:26:A:THR:H	6	0.19	0.05	0.18
(4,62)	1:56:A:THR:H	1:55:A:TYR:HB2	6	0.19	0.05	0.2
(4,901)	1:108:A:GLY:H	1:107:A:PRO:HB3	6	0.18	0.03	0.17
(4,1072)	1:102:A:ASN:HA	1:103:A:ARG:H	6	0.12	0.01	0.12
(4,138)	1:129:A:ASN:HA	1:130:A:ASN:H	6	0.11	0.01	0.11
(4,152)	1:57:A:ILE:HG12	1:57:A:ILE:H	5	1.15	0.02	1.15
(4,1197)	1:113:A:ALA:HB1	1:114:A:TYR:H	5	0.97	0.16	0.98
(4,1197)	1:113:A:ALA:HB2	1:114:A:TYR:H	5	0.97	0.16	0.98
(4,1197)	1:113:A:ALA:HB3	1:114:A:TYR:H	5	0.97	0.16	0.98
(2,646)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	5	0.57	0.19	0.66
(4,1401)	1:79:A:MET:HE1	1:80:A:LYS:H	5	0.38	0.32	0.27
(4,1401)	1:79:A:MET:HE2	1:80:A:LYS:H	5	0.38	0.32	0.27
(4,1401)	1:79:A:MET:HE3	1:80:A:LYS:H	5	0.38	0.32	0.27
(2,1013)	1:140:A:LYS:HG3	1:140:A:LYS:HA	5	0.3	0.06	0.31
(4,764)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	5	0.23	0.05	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,590)	1:147:A:ASN:HB2	1:147:A:ASN:H	5	0.22	0.03	0.24
(4,231)	1:120:A:LYS:HB3	1:120:A:LYS:H	5	0.2	0.06	0.16
(4,1537)	1:120:A:LYS:HD3	1:120:A:LYS:H	5	0.19	0.07	0.19
(4,1439)	1:122:A:HIS:H	1:121:A:GLN:H	5	0.19	0.08	0.16
(3,6)	1:5:A:LEU:HD11	1:22:A:PHE:HZ	5	0.15	0.02	0.14
(3,6)	1:5:A:LEU:HD12	1:22:A:PHE:HZ	5	0.15	0.02	0.14
(3,6)	1:5:A:LEU:HD13	1:22:A:PHE:HZ	5	0.15	0.02	0.14
(4,1065)	1:53:A:ASP:HB3	1:53:A:ASP:H	5	0.14	0.03	0.13
(4,77)	1:102:A:ASN:H	1:117:A:SER:HB2	5	0.12	0.02	0.13
(4,894)	1:6:A:THR:H	1:6:A:THR:HG21	5	0.12	0.01	0.12
(4,894)	1:6:A:THR:H	1:6:A:THR:HG22	5	0.12	0.01	0.12
(4,894)	1:6:A:THR:H	1:6:A:THR:HG23	5	0.12	0.01	0.12
(4,406)	1:15:A:LEU:H	1:14:A:THR:HA	5	0.12	0.01	0.12
(4,53)	1:121:A:GLN:H	1:121:A:GLN:HA	5	0.11	0.0	0.11
(2,2948)	1:11:A:GLN:HA	1:11:A:GLN:HG3	4	1.09	0.06	1.1
(2,3125)	1:11:A:GLN:HA	1:11:A:GLN:HG3	4	1.03	0.06	1.04
(4,1066)	1:97:A:GLU:H	1:97:A:GLU:HG2	4	1.01	0.03	1.0
(4,1486)	1:140:A:LYS:HD2	1:141:A:GLY:H	4	0.85	0.43	0.7
(2,1272)	1:30:A:LEU:HB3	1:30:A:LEU:H	4	0.75	0.37	0.92
(4,1194)	1:123:A:TYR:HB2	1:124:A:GLY:H	4	0.74	0.02	0.74
(4,1183)	1:121:A:GLN:HG2	1:121:A:GLN:H	4	0.65	0.3	0.61
(4,247)	1:15:A:LEU:HD11	1:16:A:ASN:H	4	0.62	0.05	0.62
(4,247)	1:15:A:LEU:HD12	1:16:A:ASN:H	4	0.62	0.05	0.62
(4,247)	1:15:A:LEU:HD13	1:16:A:ASN:H	4	0.62	0.05	0.62
(2,640)	1:11:A:GLN:HG3	1:11:A:GLN:H	4	0.55	0.03	0.56
(4,302)	1:136:A:LYS:HG3	1:136:A:LYS:H	4	0.41	0.04	0.42
(4,718)	1:44:A:GLN:HG2	1:45:A:SER:H	4	0.36	0.01	0.36
(4,1367)	1:108:A:GLY:H	1:107:A:PRO:HB2	4	0.36	0.04	0.38
(2,2234)	1:98:A:PHE:H	1:97:A:GLU:HG3	4	0.29	0.04	0.29
(4,1424)	1:98:A:PHE:H	1:97:A:GLU:HG2	4	0.29	0.02	0.3
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD11	4	0.28	0.08	0.29
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD12	4	0.28	0.08	0.29
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD13	4	0.28	0.08	0.29
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD11	4	0.28	0.08	0.29
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD12	4	0.28	0.08	0.29
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD13	4	0.28	0.08	0.29
(4,256)	1:103:A:ARG:HB3	1:104:A:GLN:H	4	0.27	0.02	0.26
(1,44)	1:118:A:LEU:HD11	1:123:A:TYR:HB3	4	0.26	0.08	0.26
(1,44)	1:118:A:LEU:HD12	1:123:A:TYR:HB3	4	0.26	0.08	0.26
(1,44)	1:118:A:LEU:HD13	1:123:A:TYR:HB3	4	0.26	0.08	0.26
(4,1240)	1:97:A:GLU:HB2	1:97:A:GLU:H	4	0.24	0.01	0.25
(4,865)	1:144:A:ARG:HD3	1:145:A:MET:H	4	0.22	0.09	0.23

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,1090)	1:136:A:LYS:HB3	1:136:A:LYS:H	4	0.18	0.01	0.18
(2,2805)	1:144:A:ARG:HD3	1:144:A:ARG:HA	4	0.17	0.05	0.18
(4,650)	1:5:A:LEU:H	1:48:A:ILE:H	4	0.15	0.04	0.15
(4,1046)	1:79:A:MET:HG2	1:80:A:LYS:H	4	0.12	0.04	0.11
(4,1269)	1:76:A:ASN:HB2	1:77:A:ARG:H	4	0.12	0.01	0.12
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB1	4	0.12	0.01	0.12
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB2	4	0.12	0.01	0.12
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB3	4	0.12	0.01	0.12
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG11	4	0.11	0.0	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG12	4	0.11	0.0	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG13	4	0.11	0.0	0.11
(4,1381)	1:162:A:ARG:HD3	1:162:A:ARG:H	3	2.29	0.02	2.3
(4,767)	1:140:A:LYS:HD3	1:141:A:GLY:H	3	1.62	0.18	1.68
(2,132)	1:77:A:ARG:HG2	1:77:A:ARG:HA	3	1.45	0.05	1.44
(2,977)	1:77:A:ARG:HG2	1:78:A:VAL:H	3	1.4	0.12	1.48
(4,545)	1:147:A:ASN:HD21	1:147:A:ASN:H	3	1.1	0.03	1.12
(2,1923)	1:77:A:ARG:HG2	1:77:A:ARG:HA	3	1.0	0.05	0.99
(2,1930)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	3	1.0	0.08	0.95
(2,159)	1:45:A:SER:HB2	1:45:A:SER:H	3	0.96	0.03	0.95
(4,770)	1:30:A:LEU:HG	1:30:A:LEU:H	3	0.96	0.01	0.96
(3,29)	1:111:A:PHE:HA	1:111:A:PHE:HD1	3	0.92	0.01	0.92
(3,29)	1:111:A:PHE:HA	1:111:A:PHE:HD2	3	0.92	0.01	0.92
(2,2019)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	3	0.91	0.01	0.91
(4,601)	1:162:A:ARG:HD2	1:162:A:ARG:H	3	0.8	0.26	0.93
(4,1460)	1:147:A:ASN:HD22	1:147:A:ASN:H	3	0.66	0.02	0.67
(4,907)	1:80:A:LYS:HG2	1:80:A:LYS:H	3	0.65	0.36	0.91
(2,2633)	1:31:A:GLN:HB2	1:32:A:ALA:H	3	0.48	0.27	0.29
(4,71)	1:31:A:GLN:HB3	1:32:A:ALA:H	3	0.41	0.14	0.32
(2,1093)	1:68:A:LYS:HD3	1:68:A:LYS:HE2	3	0.32	0.09	0.33
(4,210)	1:77:A:ARG:HG2	1:78:A:VAL:H	3	0.29	0.12	0.36
(4,1530)	1:167:A:ARG:HG3	1:167:A:ARG:H	3	0.22	0.05	0.23
(2,2002)	1:30:A:LEU:HB3	1:30:A:LEU:HG	3	0.19	0.01	0.19
(1,31)	1:118:A:LEU:HD11	1:123:A:TYR:HB2	3	0.15	0.05	0.12
(1,31)	1:118:A:LEU:HD12	1:123:A:TYR:HB2	3	0.15	0.05	0.12
(1,31)	1:118:A:LEU:HD13	1:123:A:TYR:HB2	3	0.15	0.05	0.12
(4,205)	1:136:A:LYS:HD3	1:137:A:ALA:H	3	0.13	0.03	0.12
(4,701)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	3	0.13	0.04	0.1
(2,2301)	1:75:A:ASN:HB3	1:76:A:ASN:H	3	0.11	0.01	0.1
(4,729)	1:68:A:LYS:HA	1:69:A:THR:H	3	0.11	0.01	0.11
(2,3158)	1:89:A:ILE:HG21	1:89:A:ILE:HD11	3	0.1	0.0	0.1
(2,3158)	1:89:A:ILE:HG21	1:89:A:ILE:HD12	3	0.1	0.0	0.1
(2,3158)	1:89:A:ILE:HG21	1:89:A:ILE:HD13	3	0.1	0.0	0.1

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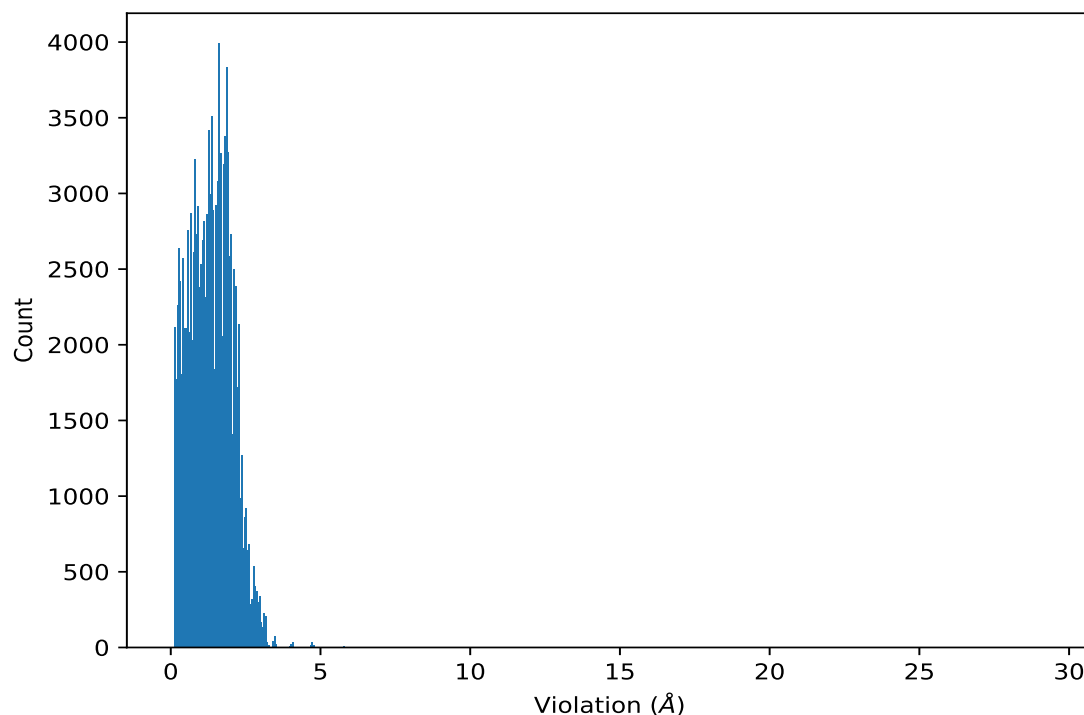
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,3158)	1:89:A:ILE:HG22	1:89:A:ILE:HD11	3	0.1	0.0	0.1
(2,3158)	1:89:A:ILE:HG22	1:89:A:ILE:HD12	3	0.1	0.0	0.1
(2,3158)	1:89:A:ILE:HG22	1:89:A:ILE:HD13	3	0.1	0.0	0.1
(2,3158)	1:89:A:ILE:HG23	1:89:A:ILE:HD11	3	0.1	0.0	0.1
(2,3158)	1:89:A:ILE:HG23	1:89:A:ILE:HD12	3	0.1	0.0	0.1
(2,3158)	1:89:A:ILE:HG23	1:89:A:ILE:HD13	3	0.1	0.0	0.1
(2,516)	1:121:A:GLN:HG3	1:122:A:HIS:H	2	1.74	0.07	1.74
(4,1213)	1:80:A:LYS:HG3	1:81:A:THR:H	2	1.06	0.06	1.06
(4,1222)	1:121:A:GLN:HE21	1:121:A:GLN:HB2	2	0.86	0.01	0.86
(4,633)	1:121:A:GLN:HG3	1:122:A:HIS:H	2	0.82	0.06	0.82
(2,1623)	1:80:A:LYS:HB3	1:72:A:LEU:HB2	2	0.8	0.48	0.8
(4,1179)	1:121:A:GLN:HE21	1:121:A:GLN:H	2	0.56	0.14	0.56
(4,1464)	1:144:A:ARG:HD2	1:144:A:ARG:H	2	0.49	0.02	0.49
(4,1113)	1:89:A:ILE:H	1:88:A:LYS:HB2	2	0.47	0.03	0.47
(4,1452)	1:168:A:GLY:HA3	1:168:A:GLY:H	2	0.38	0.15	0.38
(4,595)	1:13:A:ASP:HB3	1:13:A:ASP:H	2	0.3	0.08	0.3
(4,94)	1:35:A:SER:HB2	1:36:A:LEU:H	2	0.24	0.12	0.24
(4,722)	1:4:A:LEU:HB3	1:5:A:LEU:H	2	0.21	0.1	0.21
(4,176)	1:133:A:SER:HB3	1:134:A:ILE:H	2	0.2	0.03	0.2
(2,3097)	1:77:A:ARG:HB3	1:78:A:VAL:H	2	0.2	0.09	0.2
(3,26)	1:126:A:HIS:HD2	1:115:A:TRP:HE3	2	0.2	0.02	0.2
(4,1130)	1:121:A:GLN:HB3	1:121:A:GLN:H	2	0.2	0.02	0.2
(4,889)	1:31:A:GLN:HG2	1:31:A:GLN:H	2	0.18	0.01	0.18
(4,1478)	1:148:A:LYS:HG3	1:148:A:LYS:H	2	0.18	0.02	0.18
(4,211)	1:104:A:GLN:HB3	1:104:A:GLN:HE22	2	0.17	0.0	0.17
(4,122)	1:92:A:GLN:HG3	1:93:A:THR:H	2	0.16	0.02	0.16
(4,508)	1:128:A:THR:H	1:127:A:GLY:HA2	2	0.15	0.02	0.15
(4,443)	1:23:A:ARG:HD3	1:24:A:ILE:H	2	0.15	0.03	0.15
(4,630)	1:133:A:SER:HB2	1:134:A:ILE:H	2	0.14	0.0	0.14
(4,653)	1:114:A:TYR:HB2	1:114:A:TYR:H	2	0.14	0.01	0.14
(4,635)	1:122:A:HIS:HB3	1:122:A:HIS:H	2	0.13	0.01	0.13
(4,1509)	1:92:A:GLN:HA	1:92:A:GLN:H	2	0.12	0.01	0.12
(4,68)	1:120:A:LYS:HB2	1:120:A:LYS:H	2	0.12	0.01	0.12
(4,568)	1:122:A:HIS:HB3	1:123:A:TYR:H	2	0.12	0.0	0.12
(4,102)	1:147:A:ASN:H	1:146:A:HIS:HB2	2	0.12	0.0	0.12
(4,727)	1:101:A:ILE:H	1:102:A:ASN:H	2	0.12	0.0	0.12
(4,652)	1:18:A:ILE:HG21	1:19:A:ALA:H	2	0.1	0.0	0.1
(4,652)	1:18:A:ILE:HG22	1:19:A:ALA:H	2	0.1	0.0	0.1
(4,652)	1:18:A:ILE:HG23	1:19:A:ALA:H	2	0.1	0.0	0.1
(4,929)	1:10:A:LYS:HG3	1:11:A:GLN:H	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	18	29.31
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	9	28.98
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	12	28.84
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	7	28.72
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	15	28.57
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	1	28.4
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	4	28.34
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	5	28.24
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	8	28.13
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	16	28.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	3	28.1
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	19	28.1
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	14	28.05
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	6	28.03
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	10	28.03
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	2	28.01
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	20	27.97
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	17	27.78
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	13	27.66
(2,2053)	1:34:A:PRO:HG2	1:94:A:PRO:HB2	11	27.58
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	9	17.85
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	8	16.8
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	16	16.8
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	19	16.8
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	1	16.79
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	17	16.71
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	11	16.69
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	20	16.65
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	3	16.61
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	5	16.61
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	12	16.61
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	2	16.58
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	15	16.58
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	13	16.54
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	4	16.52
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	7	16.48
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	14	16.48
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	6	16.46
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	10	16.43
(2,1296)	1:40:A:LEU:HB2	1:90:A:LEU:HA	18	16.27
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	16	5.92
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	20	5.92
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	4	5.9
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	17	5.87
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	1	5.81
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	6	5.8
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	3	5.79
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	12	5.78
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	10	5.77
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	5	5.76
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	9	5.76
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	8	5.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	19	5.7
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	2	5.69
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	18	5.69
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	15	5.68
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	14	5.65
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	7	5.62
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	13	5.61
(2,2029)	1:110:A:PRO:HA	1:107:A:PRO:HA	11	5.54
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	3	5.32
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	4	5.25
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	6	5.24
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	13	5.24
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	17	5.22
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	11	5.19
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	2	5.18
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	5	5.14
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	1	5.07
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	14	5.06
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	15	5.05
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	7	5.04
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	8	5.02
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	10	5.01
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	18	4.99
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	12	4.96
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	20	4.95
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	19	4.86
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	9	4.84
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	10	4.77
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	10	4.77
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	10	4.77
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	8	4.76
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	8	4.76
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	8	4.76
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	6	4.75
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	6	4.75
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	6	4.75
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	7	4.75
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	7	4.75
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	7	4.75
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	18	4.75
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	18	4.75
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	18	4.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	1	4.74
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	1	4.74
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	1	4.74
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	4	4.74
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	4	4.74
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	4	4.74
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	5	4.74
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	5	4.74
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	5	4.74
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	13	4.74
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	13	4.74
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	13	4.74
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	19	4.74
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	19	4.74
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	19	4.74
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	12	4.72
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	12	4.72
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	12	4.72
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	17	4.72
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	17	4.72
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	17	4.72
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	9	4.71
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	9	4.71
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	9	4.71
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	16	4.71
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	16	4.71
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	16	4.71
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	2	4.7
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	2	4.7
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	2	4.7
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	3	4.7
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	3	4.7
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	3	4.7
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	11	4.69
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	11	4.69
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	11	4.69
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	15	4.69
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	15	4.69
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	15	4.69
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	14	4.68
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	14	4.68
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	14	4.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1912)	1:74:A:LEU:HD21	1:75:A:ASN:H	20	4.68
(2,1912)	1:74:A:LEU:HD22	1:75:A:ASN:H	20	4.68
(2,1912)	1:74:A:LEU:HD23	1:75:A:ASN:H	20	4.68
(2,2720)	1:97:A:GLU:HA	1:60:A:HIS:HA	16	4.66
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	14	4.15
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	8	4.14
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	13	4.13
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	18	4.13
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	1	4.09
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	2	4.09
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	12	4.09
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	12	4.09
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	12	4.09
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	13	4.09
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	13	4.09
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	13	4.09
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	9	4.08
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	10	4.08
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	5	4.08
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	5	4.08
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	5	4.08
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	15	4.08
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	15	4.08
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	15	4.08
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	17	4.08
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	17	4.08
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	17	4.08
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	18	4.08
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	18	4.08
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	18	4.08
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	7	4.07
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	4	4.07
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	4	4.07
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	4	4.07
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	11	4.07
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	11	4.07
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	11	4.07
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	19	4.07
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	19	4.07
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	19	4.07
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	7	4.05
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	7	4.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	7	4.05
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	9	4.05
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	9	4.05
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	9	4.05
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	5	4.04
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	12	4.04
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	3	4.04
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	3	4.04
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	3	4.04
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	10	4.04
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	10	4.04
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	10	4.04
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	11	4.03
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	15	4.03
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	1	4.03
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	1	4.03
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	1	4.03
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	6	4.01
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	2	4.01
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	2	4.01
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	2	4.01
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	3	4.0
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	8	4.0
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	8	4.0
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	8	4.0
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	14	4.0
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	14	4.0
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	14	4.0
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	16	3.98
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	16	3.97
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	16	3.97
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	16	3.97
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	19	3.96
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	20	3.96
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	20	3.96
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	20	3.96
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	20	3.96
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	17	3.95
(4,1481)	1:114:A:TYR:HA	1:115:A:TRP:HE1	4	3.91
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	6	3.87
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	6	3.87
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	6	3.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	11	3.57
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	11	3.57
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	11	3.57
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	5	3.52
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	5	3.52
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	5	3.52
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	12	3.52
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	12	3.52
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	12	3.52
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	13	3.51
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	13	3.51
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	13	3.51
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	15	3.51
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	15	3.51
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	15	3.51
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	9	3.5
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	1	3.5
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	1	3.5
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	1	3.5
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	3	3.5
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	3	3.5
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	3	3.5
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	20	3.5
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	20	3.5
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	20	3.5
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	5	3.49
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	5	3.49
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	5	3.49
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	2	3.49
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	2	3.49
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	2	3.49
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	10	3.49
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	10	3.49
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	10	3.49
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	14	3.49
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	14	3.49
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	14	3.49
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	16	3.49
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	16	3.49
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	16	3.49
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	18	3.49
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	18	3.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	18	3.49
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	10	3.48
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	10	3.48
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	10	3.48
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	4	3.48
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	4	3.48
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	4	3.48
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	7	3.48
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	7	3.48
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	7	3.48
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	9	3.48
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	9	3.48
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	9	3.48
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	14	3.48
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	14	3.48
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	14	3.48
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	8	3.47
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	8	3.47
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	8	3.47
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	11	3.47
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	11	3.47
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	11	3.47
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	13	3.47
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	13	3.47
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	13	3.47
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	19	3.47
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	19	3.47
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	19	3.47
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	9	3.46
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	9	3.46
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	9	3.46
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	18	3.46
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	18	3.46
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	18	3.46
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	6	3.46
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	6	3.46
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	6	3.46
(2,1117)	1:165:A:ILE:HD11	1:165:A:ILE:H	17	3.46
(2,1117)	1:165:A:ILE:HD12	1:165:A:ILE:H	17	3.46
(2,1117)	1:165:A:ILE:HD13	1:165:A:ILE:H	17	3.46
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	20	3.46
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	20	3.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	20	3.46
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	4	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	4	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	4	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	9	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	9	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	9	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	13	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	13	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	13	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	17	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	17	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	17	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	20	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	20	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	20	3.45
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	8	3.44
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	8	3.44
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	8	3.44
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	10	3.44
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	10	3.44
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	10	3.44
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	14	3.44
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	14	3.44
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	14	3.44
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	19	3.44
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	19	3.44
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	19	3.44
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	15	3.43
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	15	3.43
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	15	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	1	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	1	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	1	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	3	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	3	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	3	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	7	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	7	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	7	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	11	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	11	3.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	11	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	15	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	15	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	15	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	16	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	16	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	16	3.43
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	5	3.42
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	5	3.42
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	5	3.42
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	6	3.42
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	6	3.42
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	6	3.42
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	12	3.42
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	12	3.42
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	12	3.42
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	2	3.41
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	2	3.41
(2,1245)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	2	3.41
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	6	3.36
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	14	3.36
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	6	3.34
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	6	3.34
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	6	3.34
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	16	3.32
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	16	3.32
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	16	3.32
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	6	3.3
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	6	3.3
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	6	3.3
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	13	3.3
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	13	3.3
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	13	3.3
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	14	3.27
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	14	3.27
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	14	3.27
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	8	3.26
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	20	3.25
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	20	3.25
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	20	3.25
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	16	3.24
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	14	3.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	8	3.23
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	8	3.23
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	8	3.23
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	2	3.23
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	2	3.23
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	2	3.23
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	11	3.23
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	11	3.23
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	11	3.23
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	2	3.23
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	7	3.22
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	9	3.22
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	9	3.22
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	9	3.22
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	18	3.22
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	18	3.22
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	18	3.22
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	14	3.21
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	14	3.21
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	14	3.21
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	1	3.21
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	1	3.21
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	1	3.21
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	10	3.21
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	10	3.21
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	10	3.21
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	16	3.21
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	16	3.21
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	16	3.21
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	10	3.2
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	10	3.2
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	10	3.2
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	11	3.2
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	8	3.2
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	8	3.2
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	8	3.2
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	14	3.19
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	14	3.19
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	14	3.19
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	15	3.19
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	15	3.19
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	15	3.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	3	3.19
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	3	3.19
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	3	3.19
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	17	3.19
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	17	3.19
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	17	3.19
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	7	3.19
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	3	3.19
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	3	3.19
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	3	3.19
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	5	3.19
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	5	3.19
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	5	3.19
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	10	3.19
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	10	3.19
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	10	3.19
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	11	3.19
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	11	3.19
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	11	3.19
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	12	3.19
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	12	3.19
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	12	3.19
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	1	3.18
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	3	3.18
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	13	3.18
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	13	3.18
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	13	3.18
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	6	3.18
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	6	3.18
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	6	3.18
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	18	3.18
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	18	3.18
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	18	3.18
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	3	3.18
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	4	3.18
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	4	3.18
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	4	3.18
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	19	3.18
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	19	3.18
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	19	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	1	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	1	3.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	1	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	2	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	2	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	2	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	4	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	4	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	4	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	6	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	6	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	6	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	7	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	7	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	7	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	8	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	8	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	8	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	9	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	9	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	9	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	13	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	13	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	13	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	14	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	14	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	14	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	15	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	15	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	15	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	16	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	16	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	16	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	17	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	17	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	17	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	18	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	18	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	18	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	19	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	19	3.18
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	19	3.18
(2,539)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	20	3.18
(2,539)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	20	3.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,539)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	20	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	1	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	1	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	1	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	2	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	2	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	2	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	3	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	3	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	3	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	4	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	4	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	4	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	5	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	5	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	5	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	6	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	6	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	6	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	7	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	7	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	7	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	8	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	8	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	8	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	9	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	9	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	9	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	10	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	10	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	10	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	11	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	11	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	11	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	12	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	12	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	12	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	13	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	13	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	13	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	14	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	14	3.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	14	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	15	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	15	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	15	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	16	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	16	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	16	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	17	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	17	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	17	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	18	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	18	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	18	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	19	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	19	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	19	3.18
(2,301)	1:84:A:ILE:HD11	1:84:A:ILE:HG13	20	3.18
(2,301)	1:84:A:ILE:HD12	1:84:A:ILE:HG13	20	3.18
(2,301)	1:84:A:ILE:HD13	1:84:A:ILE:HG13	20	3.18
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	20	3.17
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	2	3.17
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	2	3.17
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	2	3.17
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	13	3.17
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	13	3.17
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	13	3.17
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	12	3.17
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	12	3.17
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	12	3.17
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	1	3.17
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	1	3.17
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	1	3.17
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	2	3.17
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	2	3.17
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	2	3.17
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	10	3.17
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	10	3.17
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	10	3.17
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	15	3.17
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	15	3.17
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	15	3.17
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	8	3.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	8	3.17
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	8	3.17
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	18	3.16
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	10	3.16
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	5	3.16
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	5	3.16
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	5	3.16
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	11	3.16
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	11	3.16
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	11	3.16
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	12	3.16
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	12	3.16
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	12	3.16
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	17	3.16
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	17	3.16
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	17	3.16
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	19	3.16
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	19	3.16
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	19	3.16
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	6	3.16
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	6	3.16
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	6	3.16
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	7	3.16
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	7	3.16
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	7	3.16
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	8	3.16
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	8	3.16
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	8	3.16
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	13	3.16
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	13	3.16
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	13	3.16
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	18	3.16
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	18	3.16
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	18	3.16
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	20	3.16
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	20	3.16
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	20	3.16
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	14	3.15
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	3	3.15
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	3	3.15
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	3	3.15
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	11	3.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	11	3.15
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	11	3.15
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	10	3.15
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	10	3.15
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	10	3.15
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	3	3.15
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	3	3.15
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	3	3.15
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	5	3.15
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	5	3.15
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	5	3.15
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	7	3.15
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	7	3.15
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	7	3.15
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	9	3.15
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	9	3.15
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	9	3.15
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	16	3.15
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	16	3.15
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	16	3.15
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	9	3.15
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	7	3.15
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	7	3.15
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	7	3.15
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	5	3.15
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	5	3.15
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	5	3.15
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	9	3.15
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	9	3.15
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	9	3.15
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	16	3.15
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	16	3.15
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	16	3.15
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	10	3.14
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	20	3.14
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	15	3.14
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	15	3.14
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	15	3.14
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	20	3.14
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	20	3.14
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	20	3.14
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	12	3.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	12	3.14
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	12	3.14
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	12	3.14
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	12	3.14
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	12	3.14
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	12	3.14
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	12	3.14
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	12	3.14
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	15	3.14
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	15	3.14
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	15	3.14
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	7	3.13
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	7	3.13
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	7	3.13
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	8	3.13
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	8	3.13
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	8	3.13
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	9	3.13
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	9	3.13
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	9	3.13
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	10	3.13
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	10	3.13
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	10	3.13
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	13	3.13
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	13	3.13
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	13	3.13
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	17	3.13
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	17	3.13
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	17	3.13
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	4	3.13
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	4	3.13
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	4	3.13
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	15	3.13
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	11	3.13
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	11	3.13
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	11	3.13
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	5	3.13
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	5	3.13
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	5	3.13
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	5	3.13
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	5	3.13
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	5	3.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	5	3.13
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	5	3.13
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	5	3.13
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	1	3.12
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	1	3.12
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	1	3.12
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	6	3.12
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	6	3.12
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	6	3.12
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	9	3.12
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	9	3.12
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	9	3.12
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	11	3.12
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	11	3.12
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	11	3.12
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	18	3.12
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	18	3.12
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	18	3.12
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	12	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	2	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	2	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	2	3.12
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	2	3.12
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	2	3.12
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	2	3.12
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	2	3.12
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	2	3.12
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	2	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	3	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	3	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	3	3.12
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	3	3.12
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	3	3.12
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	3	3.12
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	3	3.12
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	3	3.12
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	3	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	6	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	6	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	6	3.12
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	6	3.12
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	6	3.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	6	3.12
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	6	3.12
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	6	3.12
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	6	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	15	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	15	3.12
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	15	3.12
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	15	3.12
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	15	3.12
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	15	3.12
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	15	3.12
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	15	3.12
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	15	3.12
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	16	3.12
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	16	3.12
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	16	3.12
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	2	3.11
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	2	3.11
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	2	3.11
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	5	3.11
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	5	3.11
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	5	3.11
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	14	3.11
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	14	3.11
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	14	3.11
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	13	3.11
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	13	3.11
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	13	3.11
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	20	3.11
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	1	3.11
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	1	3.11
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	1	3.11
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	1	3.11
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	1	3.11
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	1	3.11
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	1	3.11
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	1	3.11
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	1	3.11
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	1	3.11
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	1	3.11
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	1	3.11
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	11	3.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	11	3.11
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	11	3.11
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	11	3.11
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	11	3.11
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	11	3.11
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	11	3.11
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	11	3.11
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	11	3.11
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	18	3.1
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	18	3.1
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	18	3.1
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	15	3.1
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	15	3.1
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	15	3.1
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	2	3.1
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	2	3.1
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	2	3.1
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	6	3.1
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	6	3.1
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	6	3.1
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	8	3.1
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	8	3.1
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	8	3.1
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	10	3.1
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	10	3.1
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	10	3.1
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	12	3.1
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	12	3.1
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	12	3.1
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	8	3.1
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	7	3.1
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	7	3.1
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	7	3.1
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	7	3.1
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	7	3.1
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	7	3.1
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	7	3.1
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	7	3.1
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	7	3.1
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	8	3.1
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	8	3.1
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	8	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	8	3.1
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	8	3.1
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	8	3.1
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	8	3.1
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	8	3.1
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	8	3.1
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	13	3.1
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	13	3.1
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	13	3.1
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	13	3.1
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	13	3.1
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	13	3.1
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	13	3.1
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	13	3.1
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	13	3.1
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	1	3.09
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	1	3.09
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	1	3.09
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	15	3.09
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	15	3.09
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	15	3.09
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	13	3.09
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	18	3.09
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	10	3.09
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	10	3.09
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	10	3.09
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	10	3.09
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	10	3.09
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	10	3.09
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	10	3.09
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	10	3.09
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	10	3.09
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	3	3.09
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	3	3.09
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	3	3.09
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	7	3.09
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	7	3.09
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	7	3.09
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	10	3.09
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	10	3.09
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	10	3.09
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	9	3.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	9	3.09
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	9	3.09
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	7	3.08
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	7	3.08
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	7	3.08
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	16	3.08
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	16	3.08
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	16	3.08
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	19	3.08
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	19	3.08
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	19	3.08
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	17	3.08
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	17	3.08
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	17	3.08
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	1	3.08
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	4	3.08
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	7	3.08
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	9	3.08
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	9	3.08
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	9	3.08
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	9	3.08
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	9	3.08
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	9	3.08
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	9	3.08
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	9	3.08
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	9	3.08
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	14	3.08
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	14	3.08
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	14	3.08
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	14	3.08
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	14	3.08
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	14	3.08
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	14	3.08
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	14	3.08
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	14	3.08
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	16	3.08
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	16	3.08
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	16	3.08
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	16	3.08
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	16	3.08
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	16	3.08
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	16	3.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	16	3.08
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	16	3.08
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	15	3.08
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	15	3.08
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	15	3.08
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	5	3.07
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	2	3.07
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	9	3.07
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	9	3.07
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	9	3.07
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	14	3.07
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	14	3.07
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	14	3.07
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	4	3.07
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	4	3.07
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	4	3.07
(2,2075)	1:46:A:ILE:HD11	1:7:A:TYR:HB3	1	3.07
(2,2075)	1:46:A:ILE:HD12	1:7:A:TYR:HB3	1	3.07
(2,2075)	1:46:A:ILE:HD13	1:7:A:TYR:HB3	1	3.07
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	19	3.07
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	12	3.07
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	12	3.07
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	12	3.07
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	6	3.07
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	6	3.07
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	6	3.07
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	4	3.06
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	4	3.06
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	4	3.06
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	19	3.06
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	19	3.06
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	19	3.06
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	3	3.06
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	3	3.06
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	3	3.06
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	20	3.06
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	20	3.06
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	20	3.06
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	1	3.06
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	1	3.06
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	1	3.06
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	6	3.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	9	3.06
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	9	3.06
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	9	3.06
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	17	3.06
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	17	3.06
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	17	3.06
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	17	3.06
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	17	3.06
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	17	3.06
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	17	3.06
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	17	3.06
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	17	3.06
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	19	3.06
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	19	3.06
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	19	3.06
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	19	3.06
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	19	3.06
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	19	3.06
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	19	3.06
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	19	3.06
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	19	3.06
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	9	3.06
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	9	3.06
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	9	3.06
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	2	3.05
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	16	3.05
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	16	3.05
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	16	3.05
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	11	3.05
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	11	3.05
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	11	3.05
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	4	3.05
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	4	3.05
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	4	3.05
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	4	3.05
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	4	3.05
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	4	3.05
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	4	3.05
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	4	3.05
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	4	3.05
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	18	3.05
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	18	3.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	18	3.05
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	18	3.05
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	18	3.05
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	18	3.05
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	18	3.05
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	18	3.05
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	18	3.05
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	13	3.05
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	13	3.05
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	13	3.05
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	5	3.05
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	5	3.05
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	5	3.05
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	15	3.04
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	20	3.04
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	20	3.04
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	20	3.04
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	10	3.04
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	20	3.04
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	20	3.04
(2,1165)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	20	3.04
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	20	3.04
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	20	3.04
(2,1165)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	20	3.04
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	20	3.04
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	20	3.04
(2,1165)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	20	3.04
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	11	3.04
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	11	3.04
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	11	3.04
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	9	3.03
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	9	3.03
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	9	3.03
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	19	3.03
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	19	3.03
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	19	3.03
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	16	3.03
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	17	3.03
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	4	3.03
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	4	3.03
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	4	3.03
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	13	3.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	13	3.03
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	13	3.03
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	3	3.02
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	5	3.02
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	5	3.02
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	5	3.02
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	2	3.02
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	2	3.02
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	2	3.02
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	3	3.02
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	3	3.02
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	3	3.02
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	11	3.02
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	11	3.02
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	11	3.02
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	4	3.02
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	4	3.02
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	4	3.02
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	14	3.02
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	14	3.02
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	14	3.02
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	19	3.01
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	5	3.01
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	5	3.01
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	5	3.01
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	5	3.01
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	5	3.01
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	5	3.01
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	5	3.01
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	5	3.01
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	5	3.01
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	12	3.01
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	12	3.01
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	12	3.01
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	6	3.01
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	6	3.01
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	6	3.01
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	10	3.01
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	10	3.01
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	10	3.01
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	12	3.01
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	12	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	12	3.01
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	5	3.01
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	2	3.01
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	2	3.01
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	2	3.01
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	3	3.01
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	3	3.01
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	3	3.01
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	20	3.01
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	20	3.01
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	20	3.01
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	6	3.0
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	6	3.0
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	6	3.0
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	6	3.0
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	6	3.0
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	6	3.0
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	6	3.0
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	6	3.0
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	6	3.0
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	14	3.0
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	14	3.0
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	14	3.0
(2,2506)	1:150:A:VAL:HG11	1:151:A:ILE:H	4	3.0
(2,2506)	1:150:A:VAL:HG12	1:151:A:ILE:H	4	3.0
(2,2506)	1:150:A:VAL:HG13	1:151:A:ILE:H	4	3.0
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	7	3.0
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	7	3.0
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	7	3.0
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	8	3.0
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	8	3.0
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	8	3.0
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	13	3.0
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	13	3.0
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	13	3.0
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	15	3.0
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	15	3.0
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	15	3.0
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	18	3.0
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	18	3.0
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	18	3.0
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	19	3.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	19	3.0
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	19	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	12	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	12	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	12	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	15	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	15	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	15	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	16	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	16	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	16	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	17	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	17	3.0
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	17	3.0
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	16	3.0
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	16	3.0
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	16	3.0
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	3	3.0
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	3	3.0
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	3	3.0
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	10	3.0
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	10	3.0
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	10	3.0
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	13	3.0
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	13	3.0
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	13	3.0
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	4	2.99
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	1	2.99
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	1	2.99
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	1	2.99
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	1	2.99
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	1	2.99
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	1	2.99
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	1	2.99
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	1	2.99
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	1	2.99
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	15	2.99
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	15	2.99
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	15	2.99
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	15	2.99
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	15	2.99
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	15	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	15	2.99
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	15	2.99
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	15	2.99
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	17	2.99
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	17	2.99
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	17	2.99
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	17	2.99
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	17	2.99
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	17	2.99
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	17	2.99
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	17	2.99
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	17	2.99
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	16	2.99
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	16	2.99
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	16	2.99
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	11	2.99
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	11	2.99
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	11	2.99
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	8	2.99
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	8	2.99
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	8	2.99
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	16	2.99
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	16	2.99
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	16	2.99
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	6	2.99
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	6	2.99
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	6	2.99
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	5	2.99
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	17	2.98
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	2	2.98
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	2	2.98
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	2	2.98
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	2	2.98
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	2	2.98
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	2	2.98
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	2	2.98
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	2	2.98
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	2	2.98
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	18	2.98
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	18	2.98
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	18	2.98
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	18	2.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	18	2.98
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	18	2.98
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	18	2.98
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	18	2.98
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	18	2.98
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	18	2.98
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	18	2.98
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	18	2.98
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	5	2.98
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	5	2.98
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	5	2.98
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	14	2.98
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	14	2.98
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	14	2.98
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	14	2.98
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	5	2.98
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	5	2.98
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	5	2.98
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	17	2.98
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	17	2.98
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	17	2.98
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	15	2.98
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	15	2.98
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	15	2.98
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	19	2.98
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	19	2.98
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	19	2.98
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	16	2.97
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	7	2.97
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	7	2.97
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	7	2.97
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	7	2.97
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	7	2.97
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	7	2.97
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	7	2.97
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	7	2.97
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	7	2.97
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	9	2.97
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	9	2.97
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	9	2.97
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	9	2.97
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	9	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	9	2.97
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	9	2.97
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	9	2.97
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	9	2.97
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	12	2.97
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	12	2.97
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	12	2.97
(2,2725)	1:150:A:VAL:HG11	1:150:A:VAL:H	17	2.97
(2,2725)	1:150:A:VAL:HG12	1:150:A:VAL:H	17	2.97
(2,2725)	1:150:A:VAL:HG13	1:150:A:VAL:H	17	2.97
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	5	2.97
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	5	2.97
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	5	2.97
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	19	2.97
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	19	2.97
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	19	2.97
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	3	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	3	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	3	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	3	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	3	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	3	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	3	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	3	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	3	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	4	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	4	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	4	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	4	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	4	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	4	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	4	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	4	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	4	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	8	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	8	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	8	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	8	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	8	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	8	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	8	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	8	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	8	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	10	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	10	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	10	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	10	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	10	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	10	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	10	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	10	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	10	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	11	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	11	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	11	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	11	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	11	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	11	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	11	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	11	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	11	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	13	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	13	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	13	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	13	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	13	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	13	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	13	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	13	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	13	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	16	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	16	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	16	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	16	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	16	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	16	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	16	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	16	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	16	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	19	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	19	2.96
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	19	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	19	2.96
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	19	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	19	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	19	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	19	2.96
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	19	2.96
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	6	2.96
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	6	2.96
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	6	2.96
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	7	2.96
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	7	2.96
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	7	2.96
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	18	2.96
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	18	2.96
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	18	2.96
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	10	2.96
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	10	2.96
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	10	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	1	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	1	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	1	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	2	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	2	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	2	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	3	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	3	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	3	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	4	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	4	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	4	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	5	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	5	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	5	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	6	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	6	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	6	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	7	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	7	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	7	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	8	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	8	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	8	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	9	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	9	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	9	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	10	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	10	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	10	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	11	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	11	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	11	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	12	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	12	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	12	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	13	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	13	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	13	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	14	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	14	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	14	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	15	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	15	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	15	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	16	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	16	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	16	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	17	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	17	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	17	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	18	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	18	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	18	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	19	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	19	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	19	2.96
(2,982)	1:165:A:ILE:HD11	1:165:A:ILE:HG13	20	2.96
(2,982)	1:165:A:ILE:HD12	1:165:A:ILE:HG13	20	2.96
(2,982)	1:165:A:ILE:HD13	1:165:A:ILE:HG13	20	2.96
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	13	2.96
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	13	2.96
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	13	2.96
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	10	2.96
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	10	2.96
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	10	2.96
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	2	2.96
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	2	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	2	2.96
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	5	2.96
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	5	2.96
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	5	2.96
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	8	2.96
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	8	2.96
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	8	2.96
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	17	2.96
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	17	2.96
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	17	2.96
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	12	2.96
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	12	2.96
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	12	2.96
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	8	2.95
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	11	2.95
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	12	2.95
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	12	2.95
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	12	2.95
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	12	2.95
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	12	2.95
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	12	2.95
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	12	2.95
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	12	2.95
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	12	2.95
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	14	2.95
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	14	2.95
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	14	2.95
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	14	2.95
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	14	2.95
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	14	2.95
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	14	2.95
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	14	2.95
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	14	2.95
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	20	2.95
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	20	2.95
(2,3201)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	20	2.95
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	20	2.95
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	20	2.95
(2,3201)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	20	2.95
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	20	2.95
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	20	2.95
(2,3201)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	20	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	2	2.95
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	2	2.95
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	2	2.95
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	13	2.95
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	13	2.95
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	13	2.95
(2,1908)	1:101:A:ILE:HG12	1:102:A:ASN:H	2	2.95
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	3	2.95
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	3	2.95
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	3	2.95
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	4	2.95
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	4	2.95
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	4	2.95
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	5	2.95
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	5	2.95
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	5	2.95
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	7	2.95
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	7	2.95
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	7	2.95
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	12	2.95
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	12	2.95
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	12	2.95
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	15	2.95
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	15	2.95
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	15	2.95
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	19	2.95
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	19	2.95
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	19	2.95
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	7	2.95
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	7	2.95
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	7	2.95
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	1	2.94
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	20	2.94
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	20	2.94
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	20	2.94
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	15	2.94
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	15	2.94
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	15	2.94
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	17	2.94
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	17	2.94
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	17	2.94
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	4	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	4	2.94
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	4	2.94
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	1	2.93
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	1	2.93
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	1	2.93
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	12	2.93
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	12	2.93
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	12	2.93
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	15	2.93
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	15	2.93
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	15	2.93
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	15	2.93
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	15	2.93
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	15	2.93
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	20	2.93
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	20	2.93
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	20	2.93
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	12	2.93
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	12	2.93
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	12	2.93
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	16	2.93
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	16	2.93
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	16	2.93
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	20	2.93
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	20	2.93
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	20	2.93
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	1	2.93
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	1	2.93
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	1	2.93
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	1	2.93
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	1	2.93
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	1	2.93
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	1	2.93
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	1	2.93
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	1	2.93
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	9	2.93
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	9	2.93
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	9	2.93
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	9	2.93
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	9	2.93
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	9	2.93
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	16	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	16	2.93
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	16	2.93
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	18	2.93
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	18	2.93
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	18	2.93
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	1	2.93
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	1	2.93
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	1	2.93
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	7	2.93
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	7	2.93
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	7	2.93
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	12	2.93
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	12	2.93
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	12	2.93
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	13	2.93
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	13	2.93
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	13	2.93
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	4	2.92
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	4	2.92
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	4	2.92
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	6	2.92
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	6	2.92
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	6	2.92
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	8	2.92
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	8	2.92
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	8	2.92
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	9	2.92
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	9	2.92
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	9	2.92
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	14	2.92
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	14	2.92
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	14	2.92
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	16	2.92
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	16	2.92
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	16	2.92
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	20	2.92
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	20	2.92
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	20	2.92
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	1	2.92
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	1	2.92
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	1	2.92
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	11	2.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	11	2.92
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	11	2.92
(2,2126)	1:118:A:LEU:HD11	1:118:A:LEU:HA	16	2.92
(2,2126)	1:118:A:LEU:HD12	1:118:A:LEU:HA	16	2.92
(2,2126)	1:118:A:LEU:HD13	1:118:A:LEU:HA	16	2.92
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	17	2.92
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	14	2.92
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	14	2.92
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	14	2.92
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	2	2.92
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	2	2.92
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	2	2.92
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	2	2.92
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	2	2.92
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	2	2.92
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	2	2.92
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	2	2.92
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	2	2.92
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD11	1	2.92
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD12	1	2.92
(2,654)	1:125:A:ILE:H	1:125:A:ILE:HD13	1	2.92
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	20	2.92
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	20	2.92
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	20	2.92
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	2	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	2	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	2	2.92
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	4	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	4	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	4	2.92
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	5	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	5	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	5	2.92
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	6	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	6	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	6	2.92
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	8	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	8	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	8	2.92
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	9	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	9	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	9	2.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	10	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	10	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	10	2.92
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	14	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	14	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	14	2.92
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	16	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	16	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	16	2.92
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	17	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	17	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	17	2.92
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	18	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	18	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	18	2.92
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	20	2.92
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	20	2.92
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	20	2.92
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	7	2.91
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	3	2.91
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	3	2.91
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	3	2.91
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	11	2.91
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	11	2.91
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	11	2.91
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	3	2.91
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	3	2.91
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	3	2.91
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	16	2.91
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	16	2.91
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	16	2.91
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	5	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	5	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	5	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	5	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	5	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	5	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	5	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	5	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	5	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	5	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	6	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	6	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	6	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	6	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	6	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	6	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	6	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	6	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	6	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	8	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	8	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	8	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	8	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	8	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	8	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	8	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	8	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	8	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	9	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	9	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	9	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	9	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	9	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	9	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	9	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	9	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	9	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	10	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	10	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	10	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	10	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	10	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	10	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	10	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	10	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	10	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	11	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	11	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	11	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	11	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	11	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	11	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	11	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	11	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	11	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	12	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	12	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	12	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	12	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	12	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	12	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	12	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	12	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	12	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	16	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	16	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	16	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	16	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	16	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	16	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	16	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	16	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	16	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	17	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	17	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	17	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	17	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	17	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	17	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	17	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	17	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	17	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	18	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	18	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	18	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	18	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	18	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	18	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	18	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	18	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	18	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	19	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	19	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	19	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	19	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	19	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	19	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	19	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	19	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	19	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	20	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	20	2.91
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	20	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	20	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	20	2.91
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	20	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	20	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	20	2.91
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	20	2.91
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	9	2.91
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	1	2.91
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	1	2.91
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	1	2.91
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	8	2.91
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	8	2.91
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	8	2.91
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	10	2.91
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	10	2.91
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	10	2.91
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	20	2.91
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	20	2.91
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	20	2.91
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	3	2.91
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	3	2.91
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	3	2.91
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	15	2.91
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	15	2.91
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	15	2.91
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	19	2.91
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	19	2.91
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	19	2.91
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	18	2.9
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	18	2.9
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	18	2.9
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	4	2.9
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	4	2.9
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	4	2.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	10	2.9
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	10	2.9
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	10	2.9
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	17	2.9
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	17	2.9
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	17	2.9
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	3	2.9
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	3	2.9
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	3	2.9
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	3	2.9
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	3	2.9
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	3	2.9
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	3	2.9
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	3	2.9
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	3	2.9
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	7	2.9
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	7	2.9
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	7	2.9
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	7	2.9
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	7	2.9
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	7	2.9
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	7	2.9
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	7	2.9
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	7	2.9
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	14	2.9
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	14	2.9
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	14	2.9
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	14	2.9
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	14	2.9
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	14	2.9
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	14	2.9
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	14	2.9
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	14	2.9
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	15	2.9
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	15	2.9
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	15	2.9
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	15	2.9
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	15	2.9
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	15	2.9
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	15	2.9
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	15	2.9
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	15	2.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	12	2.9
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	12	2.9
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	12	2.9
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	12	2.9
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	12	2.9
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	12	2.9
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	12	2.9
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	12	2.9
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	12	2.9
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	19	2.9
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	19	2.9
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	19	2.9
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	1	2.9
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	1	2.9
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	1	2.9
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	3	2.9
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	3	2.9
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	3	2.9
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	16	2.9
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	16	2.9
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	16	2.9
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	19	2.9
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	19	2.9
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	19	2.9
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	14	2.9
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	14	2.9
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	14	2.9
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	9	2.89
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	7	2.89
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	7	2.89
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	7	2.89
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	14	2.89
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	10	2.89
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	10	2.89
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	10	2.89
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	19	2.89
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	19	2.89
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	19	2.89
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD21	18	2.89
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD22	18	2.89
(2,1665)	1:26:A:THR:HB	1:15:A:LEU:HD23	18	2.89
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	4	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	4	2.89
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	4	2.89
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	4	2.89
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	4	2.89
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	4	2.89
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	4	2.89
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	4	2.89
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	4	2.89
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	13	2.89
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	13	2.89
(2,1367)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	13	2.89
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	13	2.89
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	13	2.89
(2,1367)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	13	2.89
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	13	2.89
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	13	2.89
(2,1367)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	13	2.89
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	5	2.89
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	5	2.89
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	5	2.89
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	5	2.89
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	5	2.89
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	5	2.89
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	5	2.89
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	5	2.89
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	5	2.89
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	9	2.89
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	9	2.89
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	9	2.89
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	14	2.88
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	14	2.88
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	14	2.88
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	2	2.88
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	2	2.88
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	2	2.88
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	5	2.88
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	5	2.88
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	5	2.88
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	13	2.88
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	13	2.88
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	13	2.88
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	5	2.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	5	2.88
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	5	2.88
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	8	2.88
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	8	2.88
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	8	2.88
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	3	2.88
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	3	2.88
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	3	2.88
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	12	2.88
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	12	2.88
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	12	2.88
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	13	2.88
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	13	2.88
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	13	2.88
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	2	2.88
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	2	2.88
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	2	2.88
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	2	2.88
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	2	2.88
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	2	2.88
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	2	2.88
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	2	2.88
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	2	2.88
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	3	2.88
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	3	2.88
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	3	2.88
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	3	2.88
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	3	2.88
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	3	2.88
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	3	2.88
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	3	2.88
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	3	2.88
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	6	2.88
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	6	2.88
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	6	2.88
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	6	2.88
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	6	2.88
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	6	2.88
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	6	2.88
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	6	2.88
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	6	2.88
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	15	2.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	15	2.88
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	15	2.88
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	15	2.88
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	15	2.88
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	15	2.88
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	15	2.88
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	15	2.88
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	15	2.88
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	9	2.88
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	9	2.88
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	9	2.88
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	12	2.88
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	12	2.88
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	12	2.88
(2,28)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	11	2.88
(2,28)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	11	2.88
(2,28)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	11	2.88
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	12	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	1	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	2	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	3	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	4	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	5	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	6	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	7	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	8	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	9	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	10	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	11	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	12	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	13	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	14	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	15	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	16	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	17	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	18	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	19	2.87
(2,3105)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	20	2.87
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	17	2.87
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	17	2.87
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	17	2.87
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	9	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	9	2.87
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	9	2.87
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	20	2.87
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	20	2.87
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	20	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	4	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	4	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	4	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	5	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	5	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	5	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	16	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	16	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	16	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	17	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	17	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	17	2.87
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	20	2.87
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	20	2.87
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	20	2.87
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	1	2.87
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	1	2.87
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	1	2.87
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	1	2.87
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	1	2.87
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	1	2.87
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	1	2.87
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	1	2.87
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	1	2.87
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	11	2.87
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	11	2.87
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	11	2.87
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	11	2.87
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	11	2.87
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	11	2.87
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	11	2.87
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	11	2.87
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	11	2.87
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	14	2.87
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	14	2.87
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	14	2.87
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	17	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	17	2.87
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	17	2.87
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	1	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	1	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	1	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	6	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	6	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	6	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	8	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	8	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	8	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	10	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	10	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	10	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	18	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	18	2.86
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	18	2.86
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	14	2.86
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	14	2.86
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	14	2.86
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	7	2.86
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	7	2.86
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	7	2.86
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	7	2.86
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	7	2.86
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	7	2.86
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	7	2.86
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	7	2.86
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	7	2.86
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	8	2.86
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	8	2.86
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	8	2.86
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	8	2.86
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	8	2.86
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	8	2.86
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	8	2.86
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	8	2.86
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	8	2.86
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	13	2.86
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	13	2.86
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	13	2.86
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	13	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	13	2.86
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	13	2.86
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	13	2.86
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	13	2.86
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	13	2.86
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	7	2.86
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	7	2.86
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	7	2.86
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	5	2.86
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	5	2.86
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	5	2.86
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	13	2.86
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	13	2.86
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	13	2.86
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	17	2.86
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	17	2.86
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	17	2.86
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	20	2.86
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	20	2.86
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	20	2.86
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	14	2.86
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	14	2.86
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	14	2.86
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	16	2.86
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	16	2.86
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	16	2.86
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	5	2.85
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	11	2.85
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	14	2.85
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	10	2.85
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	10	2.85
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	10	2.85
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	14	2.85
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	14	2.85
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	14	2.85
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	7	2.85
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	7	2.85
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	7	2.85
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	10	2.85
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	10	2.85
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	10	2.85
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	10	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	10	2.85
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	10	2.85
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	10	2.85
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	10	2.85
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	10	2.85
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	20	2.85
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	20	2.85
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	20	2.85
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	20	2.85
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	20	2.85
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	20	2.85
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	20	2.85
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	20	2.85
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	20	2.85
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	11	2.85
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	19	2.85
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	1	2.85
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	1	2.85
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	1	2.85
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	2	2.85
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	2	2.85
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	2	2.85
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	9	2.85
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	9	2.85
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	9	2.85
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	6	2.85
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	6	2.85
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	6	2.85
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	11	2.85
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	11	2.85
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	11	2.85
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	6	2.84
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	2	2.84
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD11	19	2.84
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD12	19	2.84
(2,2583)	1:68:A:LYS:HA	1:84:A:ILE:HD13	19	2.84
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	19	2.84
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	20	2.84
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	9	2.84
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	9	2.84
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	9	2.84
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	9	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	9	2.84
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	9	2.84
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	9	2.84
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	9	2.84
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	9	2.84
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	14	2.84
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	14	2.84
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	14	2.84
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	14	2.84
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	14	2.84
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	14	2.84
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	14	2.84
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	14	2.84
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	14	2.84
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	16	2.84
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	16	2.84
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	16	2.84
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	16	2.84
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	16	2.84
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	16	2.84
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	16	2.84
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	16	2.84
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	16	2.84
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	14	2.84
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	14	2.84
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	14	2.84
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	14	2.84
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	14	2.84
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	14	2.84
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	14	2.84
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	14	2.84
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	14	2.84
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	16	2.84
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	16	2.84
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	16	2.84
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	16	2.84
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	16	2.84
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	16	2.84
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	16	2.84
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	16	2.84
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	16	2.84
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	18	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	18	2.84
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	18	2.84
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	18	2.84
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	18	2.84
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	18	2.84
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	18	2.84
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	18	2.84
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	18	2.84
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	14	2.84
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	5	2.84
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	17	2.84
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	5	2.84
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	5	2.84
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	5	2.84
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	4	2.84
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	4	2.84
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	4	2.84
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	15	2.84
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	15	2.84
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	15	2.84
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	16	2.84
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	3	2.84
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	3	2.84
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	3	2.84
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	6	2.84
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	6	2.84
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	6	2.84
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	20	2.84
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	20	2.84
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	20	2.84
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	1	2.83
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	2	2.83
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	3	2.83
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	9	2.83
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	12	2.83
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	13	2.83
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	19	2.83
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	19	2.83
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	19	2.83
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	20	2.83
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	1	2.83
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	3	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	2	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	2	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	2	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	2	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	2	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	2	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	2	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	2	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	2	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	3	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	3	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	3	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	3	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	3	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	3	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	3	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	3	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	3	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	10	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	10	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	10	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	10	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	10	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	10	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	10	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	10	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	10	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	15	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	15	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	15	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	15	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	15	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	15	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	15	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	15	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	15	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	17	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	17	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	17	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	17	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	17	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	17	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	17	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	17	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	17	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	19	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	19	2.83
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	19	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	19	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	19	2.83
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	19	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	19	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	19	2.83
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	19	2.83
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	8	2.83
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	8	2.83
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	8	2.83
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	10	2.83
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	10	2.83
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	10	2.83
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	15	2.83
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	15	2.83
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	15	2.83
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	12	2.83
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	12	2.83
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	12	2.83
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	1	2.83
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	1	2.83
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	1	2.83
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	8	2.83
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	8	2.83
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	8	2.83
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	12	2.83
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	12	2.83
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	12	2.83
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	20	2.83
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	20	2.83
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	20	2.83
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	1	2.83
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	1	2.83
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	1	2.83
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	7	2.83
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	7	2.83
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	7	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	11	2.83
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	11	2.83
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	11	2.83
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	18	2.83
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	18	2.83
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	18	2.83
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	10	2.82
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	18	2.82
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	9	2.82
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	14	2.82
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	20	2.82
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	3	2.82
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	19	2.82
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	19	2.82
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	19	2.82
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	17	2.82
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	17	2.82
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	17	2.82
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	17	2.82
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	17	2.82
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	17	2.82
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	17	2.82
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	17	2.82
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	17	2.82
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	19	2.82
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	19	2.82
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	19	2.82
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	19	2.82
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	19	2.82
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	19	2.82
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	19	2.82
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	19	2.82
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	19	2.82
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	5	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	1	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	2	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	3	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	4	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	5	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	6	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	7	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	8	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	9	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	10	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	11	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	12	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	13	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	14	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	15	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	16	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	17	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	18	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	19	2.82
(2,1005)	1:117:A:SER:HB2	1:117:A:SER:HB3	20	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	5	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	5	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	5	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	5	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	5	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	5	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	5	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	5	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	5	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	6	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	6	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	6	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	6	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	6	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	6	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	6	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	6	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	6	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	7	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	7	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	7	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	7	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	7	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	7	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	7	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	7	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	7	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	9	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	9	2.82
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	9	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	9	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	9	2.82
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	9	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	9	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	9	2.82
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	9	2.82
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	20	2.82
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	13	2.82
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	13	2.82
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	13	2.82
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	18	2.82
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	18	2.82
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	18	2.82
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	2	2.82
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	2	2.82
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	2	2.82
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	6	2.82
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	6	2.82
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	6	2.82
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	7	2.82
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	7	2.82
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	7	2.82
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	18	2.82
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	18	2.82
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	18	2.82
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	4	2.82
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	4	2.82
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	4	2.82
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	5	2.82
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	5	2.82
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	5	2.82
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	13	2.82
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	13	2.82
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	13	2.82
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	2	2.81
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	2	2.81
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	2	2.81
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	3	2.81
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	3	2.81
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	3	2.81
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	7	2.81
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	15	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	1	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	2	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	3	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	4	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	5	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	6	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	7	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	8	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	10	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	11	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	12	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	13	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	15	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	16	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	17	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	18	2.81
(2,2840)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	19	2.81
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	8	2.81
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	2	2.81
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	2	2.81
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	2	2.81
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	14	2.81
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	14	2.81
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	14	2.81
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	15	2.81
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	15	2.81
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	15	2.81
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	20	2.81
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	20	2.81
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	20	2.81
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	11	2.81
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	11	2.81
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	11	2.81
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	14	2.81
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	14	2.81
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	14	2.81
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	14	2.81
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	14	2.81
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	14	2.81
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	4	2.81
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	4	2.81
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	4	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	4	2.81
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	4	2.81
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	4	2.81
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	4	2.81
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	4	2.81
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	4	2.81
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	18	2.81
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	18	2.81
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	18	2.81
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	18	2.81
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	18	2.81
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	18	2.81
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	18	2.81
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	18	2.81
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	18	2.81
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	7	2.81
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	4	2.81
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	4	2.81
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	4	2.81
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	4	2.81
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	4	2.81
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	4	2.81
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	4	2.81
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	4	2.81
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	4	2.81
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	8	2.81
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	8	2.81
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	8	2.81
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	8	2.81
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	8	2.81
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	8	2.81
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	8	2.81
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	8	2.81
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	8	2.81
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	12	2.81
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	12	2.81
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	12	2.81
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	12	2.81
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	12	2.81
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	12	2.81
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	12	2.81
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	12	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	12	2.81
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	16	2.81
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	4	2.81
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	4	2.81
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	4	2.81
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	6	2.81
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	6	2.81
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	6	2.81
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	17	2.81
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	17	2.81
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	17	2.81
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	14	2.81
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	14	2.81
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	14	2.81
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	13	2.81
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	13	2.81
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	13	2.81
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	2	2.81
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	2	2.81
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	2	2.81
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	6	2.8
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	6	2.8
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	6	2.8
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	14	2.8
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	14	2.8
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	14	2.8
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	8	2.8
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	16	2.8
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	20	2.8
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	11	2.8
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	11	2.8
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	11	2.8
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	16	2.8
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	16	2.8
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	16	2.8
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	20	2.8
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	20	2.8
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	20	2.8
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	13	2.8
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	13	2.8
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	13	2.8
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	17	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	9	2.8
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	9	2.8
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	9	2.8
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	11	2.8
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	11	2.8
(2,1953)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	11	2.8
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	10	2.8
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	10	2.8
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	10	2.8
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	7	2.8
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	7	2.8
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	7	2.8
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	9	2.8
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	9	2.8
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	9	2.8
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	16	2.8
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	16	2.8
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	16	2.8
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG21	20	2.8
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG22	20	2.8
(2,1304)	1:134:A:ILE:HD11	1:134:A:ILE:HG23	20	2.8
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG21	20	2.8
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG22	20	2.8
(2,1304)	1:134:A:ILE:HD12	1:134:A:ILE:HG23	20	2.8
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG21	20	2.8
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG22	20	2.8
(2,1304)	1:134:A:ILE:HD13	1:134:A:ILE:HG23	20	2.8
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	11	2.8
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	11	2.8
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	11	2.8
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	11	2.8
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	11	2.8
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	11	2.8
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	11	2.8
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	11	2.8
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	11	2.8
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	10	2.8
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	10	2.8
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	10	2.8
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	20	2.8
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	20	2.8
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	20	2.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	1	2.8
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	1	2.8
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	1	2.8
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	11	2.8
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	11	2.8
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	11	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	3	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	3	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	3	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	8	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	8	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	8	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	10	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	10	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	10	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	17	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	17	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	17	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	19	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	19	2.8
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	19	2.8
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	10	2.79
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	10	2.79
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	10	2.79
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	16	2.79
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	16	2.79
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	16	2.79
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	18	2.79
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	18	2.79
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	18	2.79
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	19	2.79
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	19	2.79
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	19	2.79
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	20	2.79
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	20	2.79
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	20	2.79
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	4	2.79
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	17	2.79
(2,2988)	1:105:A:ARG:HG2	1:106:A:ASN:H	19	2.79
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	5	2.79
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	5	2.79
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	5	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	3	2.79
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	4	2.79
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	19	2.79
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	7	2.79
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	7	2.79
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	7	2.79
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	18	2.79
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	18	2.79
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	18	2.79
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	8	2.79
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	8	2.79
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	8	2.79
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	12	2.79
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	12	2.79
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	12	2.79
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	18	2.79
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	18	2.79
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	18	2.79
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	12	2.79
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	12	2.79
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	12	2.79
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	6	2.79
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	8	2.79
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	13	2.79
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	13	2.79
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	13	2.79
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	13	2.79
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	13	2.79
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	13	2.79
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	13	2.79
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	13	2.79
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	13	2.79
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	5	2.79
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	13	2.79
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	13	2.79
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	13	2.79
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	16	2.79
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	16	2.79
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	16	2.79
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	18	2.79
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	18	2.79
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	18	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	7	2.79
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	7	2.79
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	7	2.79
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	14	2.79
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	14	2.79
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	14	2.79
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	15	2.79
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	15	2.79
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	15	2.79
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	4	2.79
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	4	2.79
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	4	2.79
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	5	2.78
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	5	2.78
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	5	2.78
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	7	2.78
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	7	2.78
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	7	2.78
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	15	2.78
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	15	2.78
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	15	2.78
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	17	2.78
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	17	2.78
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	17	2.78
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	11	2.78
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	7	2.78
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	12	2.78
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	11	2.78
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	4	2.78
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	4	2.78
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	4	2.78
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	1	2.78
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	1	2.78
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	1	2.78
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	8	2.78
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	8	2.78
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	8	2.78
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	16	2.78
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	16	2.78
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	16	2.78
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	20	2.78
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	20	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	20	2.78
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	3	2.78
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	3	2.78
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	3	2.78
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	9	2.78
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	9	2.78
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	9	2.78
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	19	2.78
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	19	2.78
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	19	2.78
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	20	2.78
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	20	2.78
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	20	2.78
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	1	2.78
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	1	2.78
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	1	2.78
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	11	2.78
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	11	2.78
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	11	2.78
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	17	2.78
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	17	2.78
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	17	2.78
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	19	2.78
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	19	2.78
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	18	2.77
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	18	2.77
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	18	2.77
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	1	2.77
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	1	2.77
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	1	2.77
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	1	2.77
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	1	2.77
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	1	2.77
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	1	2.77
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	1	2.77
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	1	2.77
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	2	2.77
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	2	2.77
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	2	2.77
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	2	2.77
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	2	2.77
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	2	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	2	2.77
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	2	2.77
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	2	2.77
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	1	2.77
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	2	2.77
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	8	2.77
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	13	2.77
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	2	2.77
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	2	2.77
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	2	2.77
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	5	2.77
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	5	2.77
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	5	2.77
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	6	2.77
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	6	2.77
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	6	2.77
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	10	2.77
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	10	2.77
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	10	2.77
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	15	2.77
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	15	2.77
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	15	2.77
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	17	2.77
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	17	2.77
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	17	2.77
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	20	2.77
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	20	2.77
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	20	2.77
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	18	2.77
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	18	2.77
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	18	2.77
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	12	2.77
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	15	2.77
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	18	2.77
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	17	2.77
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	17	2.77
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	17	2.77
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	12	2.77
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	12	2.77
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	12	2.77
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	11	2.77
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	11	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	11	2.77
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	3	2.77
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	3	2.77
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	3	2.77
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	3	2.77
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	4	2.77
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	4	2.77
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	4	2.77
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	16	2.77
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	16	2.77
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	16	2.77
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD11	15	2.77
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD12	15	2.77
(2,23)	1:30:A:LEU:HB2	1:30:A:LEU:HD13	15	2.77
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	8	2.76
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	8	2.76
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	8	2.76
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	9	2.76
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	9	2.76
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	9	2.76
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	11	2.76
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	11	2.76
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	11	2.76
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	13	2.76
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	13	2.76
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	13	2.76
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	2	2.76
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	2	2.76
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	2	2.76
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	7	2.76
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	7	2.76
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	7	2.76
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	10	2.76
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	10	2.76
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	10	2.76
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	12	2.76
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	12	2.76
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	12	2.76
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	13	2.76
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	13	2.76
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	13	2.76
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	14	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	14	2.76
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	14	2.76
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	8	2.76
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	20	2.76
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	20	2.76
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	20	2.76
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	20	2.76
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	20	2.76
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	20	2.76
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	20	2.76
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	20	2.76
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	20	2.76
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	6	2.76
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	10	2.76
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	10	2.76
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	10	2.76
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	17	2.76
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	17	2.76
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	17	2.76
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	2	2.76
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	2	2.76
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	2	2.76
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	4	2.76
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	4	2.76
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	4	2.76
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	4	2.76
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	9	2.76
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	6	2.76
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	6	2.76
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	6	2.76
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	10	2.76
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	10	2.76
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	10	2.76
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	19	2.76
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	19	2.76
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	10	2.76
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	10	2.76
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	10	2.76
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	17	2.76
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	17	2.76
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	17	2.76
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	2	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	2	2.76
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	2	2.76
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	10	2.76
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	10	2.76
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	4	2.75
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	4	2.75
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	4	2.75
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	1	2.75
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	1	2.75
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	1	2.75
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	6	2.75
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	6	2.75
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	6	2.75
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	8	2.75
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	8	2.75
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	8	2.75
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	9	2.75
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	9	2.75
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	9	2.75
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	15	2.75
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	15	2.75
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	15	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	3	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	3	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	3	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	3	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	3	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	3	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	3	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	3	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	3	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	5	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	5	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	5	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	5	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	5	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	5	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	5	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	5	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	5	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	6	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	6	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	6	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	6	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	6	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	6	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	6	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	6	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	6	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	8	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	8	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	8	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	8	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	8	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	8	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	8	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	8	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	8	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	9	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	9	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	9	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	9	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	9	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	9	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	9	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	9	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	9	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	10	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	10	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	10	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	10	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	10	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	10	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	10	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	10	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	10	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	11	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	11	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	11	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	11	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	11	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	11	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	11	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	11	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	11	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	12	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	12	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	12	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	12	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	12	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	12	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	12	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	12	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	12	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	16	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	16	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	16	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	16	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	16	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	16	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	16	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	16	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	16	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	17	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	17	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	17	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	17	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	17	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	17	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	17	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	17	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	17	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	18	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	18	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	18	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	18	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	18	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	18	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	18	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	18	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	18	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	19	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	19	2.75
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	19	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	19	2.75
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	19	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	19	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	19	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	19	2.75
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	19	2.75
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	18	2.75
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	12	2.75
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	12	2.75
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	12	2.75
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	9	2.75
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	6	2.75
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	15	2.75
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	15	2.75
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	15	2.75
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	4	2.75
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	4	2.75
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	4	2.75
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	3	2.75
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	3	2.75
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	3	2.75
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	10	2.75
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	16	2.75
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	2	2.75
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	2	2.75
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	2	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	1	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	2	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	3	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	4	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	5	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	6	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	7	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	8	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	9	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	10	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	13	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	14	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	15	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	16	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	17	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	18	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	19	2.75
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	20	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	11	2.75
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	11	2.75
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	11	2.75
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	1	2.75
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	12	2.75
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	9	2.75
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	9	2.75
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	9	2.75
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	15	2.75
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	15	2.75
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	15	2.75
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	12	2.74
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	12	2.74
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	12	2.74
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	3	2.74
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	3	2.74
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	3	2.74
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	19	2.74
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	19	2.74
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	19	2.74
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	7	2.74
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	7	2.74
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	7	2.74
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	7	2.74
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	7	2.74
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	7	2.74
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	7	2.74
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	7	2.74
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	7	2.74
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	14	2.74
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	14	2.74
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	14	2.74
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	14	2.74
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	14	2.74
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	14	2.74
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	14	2.74
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	14	2.74
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	14	2.74
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	15	2.74
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	15	2.74
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	15	2.74
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	15	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	15	2.74
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	15	2.74
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	15	2.74
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	15	2.74
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	15	2.74
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	6	2.74
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	6	2.74
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	6	2.74
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	13	2.74
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	13	2.74
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	13	2.74
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	15	2.74
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	15	2.74
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	15	2.74
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	11	2.74
(2,1115)	1:145:A:MET:HB2	1:145:A:MET:HB3	12	2.74
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	5	2.74
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	6	2.74
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	12	2.74
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	5	2.74
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	5	2.74
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	5	2.74
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	8	2.74
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	8	2.74
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	8	2.74
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	10	2.74
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	10	2.74
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	10	2.74
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	4	2.73
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	4	2.73
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	4	2.73
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	4	2.73
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	4	2.73
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	4	2.73
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	4	2.73
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	4	2.73
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	4	2.73
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	4	2.73
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	4	2.73
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	4	2.73
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG21	13	2.73
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG22	13	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2655)	1:48:A:ILE:HD11	1:48:A:ILE:HG23	13	2.73
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG21	13	2.73
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG22	13	2.73
(2,2655)	1:48:A:ILE:HD12	1:48:A:ILE:HG23	13	2.73
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG21	13	2.73
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG22	13	2.73
(2,2655)	1:48:A:ILE:HD13	1:48:A:ILE:HG23	13	2.73
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	18	2.73
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	1	2.73
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	1	2.73
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	1	2.73
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	11	2.73
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	11	2.73
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	11	2.73
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	2	2.73
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	2	2.73
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	2	2.73
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	11	2.73
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	7	2.73
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	7	2.73
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	7	2.73
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	9	2.73
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	9	2.73
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	9	2.73
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	11	2.73
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	11	2.73
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	11	2.73
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	17	2.73
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	17	2.73
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	17	2.73
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	9	2.73
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	9	2.73
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	9	2.73
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	8	2.73
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	8	2.73
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	8	2.73
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	3	2.73
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	3	2.73
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	3	2.73
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	8	2.73
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	8	2.73
(2,2784)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	17	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2784)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	17	2.72
(2,2784)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	17	2.72
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	13	2.72
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	6	2.72
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	6	2.72
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	6	2.72
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	20	2.72
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	9	2.72
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	9	2.72
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	9	2.72
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	8	2.72
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	8	2.72
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	8	2.72
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	13	2.72
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	13	2.72
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	13	2.72
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	4	2.72
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	7	2.72
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	7	2.72
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	7	2.72
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	2	2.72
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	3	2.72
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	3	2.72
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	3	2.72
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	15	2.72
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	5	2.72
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	5	2.72
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	5	2.72
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	16	2.72
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	16	2.72
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	16	2.72
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	7	2.72
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	7	2.72
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	7	2.72
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	3	2.72
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	3	2.72
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	1	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	1	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	1	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	2	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	2	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	2	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	3	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	3	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	3	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	4	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	4	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	4	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	5	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	5	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	5	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	6	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	6	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	6	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	7	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	7	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	7	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	8	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	8	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	8	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	9	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	9	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	9	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	10	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	10	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	10	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	11	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	11	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	11	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	12	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	12	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	12	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	13	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	13	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	13	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	14	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	14	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	14	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	15	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	15	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	15	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	16	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	16	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	16	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	17	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	17	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	17	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	18	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	18	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	18	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	19	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	19	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	19	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	20	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	20	2.71
(2,2877)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	20	2.71
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	1	2.71
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	3	2.71
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	2	2.71
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	12	2.71
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	2	2.71
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	2	2.71
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	2	2.71
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	11	2.71
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	11	2.71
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	11	2.71
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	14	2.71
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	14	2.71
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	14	2.71
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	13	2.71
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	13	2.71
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	13	2.71
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	19	2.71
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	19	2.71
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	19	2.71
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	2	2.71
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	2	2.71
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	2	2.71
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	3	2.71
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	3	2.71
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	3	2.71
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	6	2.71
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	6	2.71
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	6	2.71
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	8	2.71
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	8	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	8	2.71
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	18	2.71
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	18	2.71
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	18	2.71
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	6	2.71
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	6	2.71
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	6	2.71
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	18	2.71
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	18	2.71
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	18	2.71
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	13	2.71
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	13	2.71
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	13	2.71
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	14	2.71
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	14	2.71
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	14	2.71
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	20	2.7
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	15	2.7
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	15	2.7
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	15	2.7
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	13	2.7
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	13	2.7
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	13	2.7
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	19	2.7
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	19	2.7
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	19	2.7
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	17	2.7
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	20	2.7
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	3	2.7
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	14	2.7
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	5	2.7
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	1	2.7
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	1	2.7
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	1	2.7
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	16	2.7
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	16	2.7
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	16	2.7
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	18	2.7
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	18	2.7
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	18	2.7
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	19	2.7
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	19	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	19	2.7
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	20	2.7
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	11	2.7
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	11	2.7
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	11	2.7
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	12	2.7
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	12	2.7
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	12	2.7
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	13	2.7
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	13	2.7
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	13	2.7
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	18	2.7
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	18	2.7
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	18	2.7
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	7	2.7
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	6	2.7
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	20	2.7
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	20	2.7
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	20	2.7
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	13	2.7
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	13	2.7
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	13	2.7
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	1	2.7
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	1	2.7
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	1	2.7
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	4	2.7
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	4	2.7
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	4	2.7
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD11	19	2.7
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD12	19	2.7
(2,71)	1:68:A:LYS:HA	1:84:A:ILE:HD13	19	2.7
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	12	2.7
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	12	2.7
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	12	2.7
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	16	2.7
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	16	2.7
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	10	2.7
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	10	2.7
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	10	2.7
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	19	2.69
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	14	2.69
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	14	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	14	2.69
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	18	2.69
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	17	2.69
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	17	2.69
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	17	2.69
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	9	2.69
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	12	2.69
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	11	2.69
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	5	2.69
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	10	2.69
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	16	2.69
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	16	2.69
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	5	2.69
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	5	2.69
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	5	2.69
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	5	2.69
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	6	2.69
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	6	2.69
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	6	2.69
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	8	2.69
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	8	2.69
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	8	2.69
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	17	2.69
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	17	2.69
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	17	2.69
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	19	2.69
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	10	2.69
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	10	2.69
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	10	2.69
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	16	2.69
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	16	2.69
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	16	2.69
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	17	2.69
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	17	2.69
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	17	2.69
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	20	2.69
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	20	2.69
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	20	2.69
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	10	2.69
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	10	2.69
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	10	2.69
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	14	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	14	2.69
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	14	2.69
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	9	2.69
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	9	2.69
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	9	2.69
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	19	2.69
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	19	2.69
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	19	2.69
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	14	2.69
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	14	2.69
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	14	2.69
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	7	2.69
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	7	2.69
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	6	2.68
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	11	2.68
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	10	2.68
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	3	2.68
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	3	2.68
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	3	2.68
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	2	2.68
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	3	2.68
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	4	2.68
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	13	2.68
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	15	2.68
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	1	2.68
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	6	2.68
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	9	2.68
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	9	2.68
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	9	2.68
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	4	2.68
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	4	2.68
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	4	2.68
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	13	2.68
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	13	2.68
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	13	2.68
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	15	2.68
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	15	2.68
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	15	2.68
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	9	2.68
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	9	2.68
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	9	2.68
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	4	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	4	2.68
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	4	2.68
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	14	2.68
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	14	2.68
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	14	2.68
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	16	2.68
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	16	2.68
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	16	2.68
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	13	2.68
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	13	2.68
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	13	2.68
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	3	2.68
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	3	2.68
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	3	2.68
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	8	2.68
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	8	2.68
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	8	2.68
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	10	2.68
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	10	2.68
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	10	2.68
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	12	2.68
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	12	2.68
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	12	2.68
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	13	2.68
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	13	2.68
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	13	2.68
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	5	2.68
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	5	2.68
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	5	2.68
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	20	2.68
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	20	2.68
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	20	2.68
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	13	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	1	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	1	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	1	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	2	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	2	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	2	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	4	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	4	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	4	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	5	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	5	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	5	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	10	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	10	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	10	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	11	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	11	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	11	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	13	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	13	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	13	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	19	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	19	2.67
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	19	2.67
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	6	2.67
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	1	2.67
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	12	2.67
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	12	2.67
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	12	2.67
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	10	2.67
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	6	2.67
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	6	2.67
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	6	2.67
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	3	2.67
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	3	2.67
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	3	2.67
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	7	2.67
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	7	2.67
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	7	2.67
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	12	2.67
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	12	2.67
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	12	2.67
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	5	2.67
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	5	2.67
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	5	2.67
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	8	2.67
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	8	2.67
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	8	2.67
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	5	2.67
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	5	2.67
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	5	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	11	2.67
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	11	2.67
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	11	2.67
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	15	2.67
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	15	2.67
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	15	2.67
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	20	2.67
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	20	2.67
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	20	2.67
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	2	2.67
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	2	2.67
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	2	2.67
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	6	2.67
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	6	2.67
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	6	2.67
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	7	2.67
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	7	2.67
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	7	2.67
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	14	2.67
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	14	2.67
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	14	2.67
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	15	2.67
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	15	2.67
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	15	2.67
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	18	2.67
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	18	2.67
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	18	2.67
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	19	2.67
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	19	2.67
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	19	2.67
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	15	2.67
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	15	2.67
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	15	2.67
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	4	2.67
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	4	2.67
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	18	2.67
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	18	2.67
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	18	2.67
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	18	2.67
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	18	2.67
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	17	2.66
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	7	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	7	2.66
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	7	2.66
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	7	2.66
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	7	2.66
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	7	2.66
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	5	2.66
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	5	2.66
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	5	2.66
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	11	2.66
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	11	2.66
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	11	2.66
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	7	2.66
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	8	2.66
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	11	2.66
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	12	2.66
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	18	2.66
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	7	2.66
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	7	2.66
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	7	2.66
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	13	2.66
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	13	2.66
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	13	2.66
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	10	2.66
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	10	2.66
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	10	2.66
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	14	2.66
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	11	2.66
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	15	2.66
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	17	2.66
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	1	2.66
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	1	2.66
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	1	2.66
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	10	2.66
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	10	2.66
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	10	2.66
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	20	2.66
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	20	2.66
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	20	2.66
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	13	2.66
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	14	2.66
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	4	2.66
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	4	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	4	2.66
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	4	2.66
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	4	2.66
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	4	2.66
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	13	2.66
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	2	2.66
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	2	2.66
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	2	2.66
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	3	2.66
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	3	2.66
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	3	2.66
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	18	2.66
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	18	2.66
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	18	2.66
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	11	2.66
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	11	2.66
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	11	2.66
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	20	2.66
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	20	2.66
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	20	2.66
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	12	2.66
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	12	2.66
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	12	2.66
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	9	2.66
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	9	2.66
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	13	2.66
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	13	2.66
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	17	2.66
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	17	2.66
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	13	2.65
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	4	2.65
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	19	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	1	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	2	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	3	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	4	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	5	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	6	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	7	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	8	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	9	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	10	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	11	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	12	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	13	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	14	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	15	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	16	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	17	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	18	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	19	2.65
(2,2978)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	20	2.65
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	6	2.65
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	6	2.65
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	6	2.65
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	18	2.65
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	18	2.65
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	18	2.65
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	20	2.65
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	20	2.65
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	20	2.65
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	14	2.65
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	11	2.65
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	11	2.65
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	11	2.65
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	3	2.65
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	1	2.65
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	18	2.65
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	11	2.65
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	11	2.65
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	11	2.65
(2,1302)	1:146:A:HIS:H	1:145:A:MET:HB3	17	2.65
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	1	2.65
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	1	2.65
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	1	2.65
(2,1267)	1:9:A:VAL:HG11	1:10:A:LYS:H	19	2.65
(2,1267)	1:9:A:VAL:HG12	1:10:A:LYS:H	19	2.65
(2,1267)	1:9:A:VAL:HG13	1:10:A:LYS:H	19	2.65
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	15	2.65
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	6	2.65
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	6	2.65
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	6	2.65
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	9	2.65
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	9	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	9	2.65
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	10	2.65
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	10	2.65
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	10	2.65
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	16	2.65
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	16	2.65
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	16	2.65
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	19	2.65
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	19	2.65
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	19	2.65
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	2	2.65
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	2	2.65
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	2	2.65
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	8	2.65
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	8	2.65
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	8	2.65
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	19	2.65
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	19	2.65
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	19	2.65
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	9	2.65
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	9	2.65
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	9	2.65
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	20	2.65
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	20	2.65
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	9	2.64
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	9	2.64
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	9	2.64
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	19	2.64
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	2	2.64
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	6	2.64
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	6	2.64
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	6	2.64
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	18	2.64
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	18	2.64
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	18	2.64
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	14	2.64
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	14	2.64
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	14	2.64
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	15	2.64
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	7	2.64
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	13	2.64
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	3	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	3	2.64
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	3	2.64
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	15	2.64
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	15	2.64
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	15	2.64
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	9	2.64
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	9	2.64
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	9	2.64
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	6	2.64
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	6	2.64
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	6	2.64
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	3	2.64
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	7	2.64
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	18	2.64
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	18	2.64
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	18	2.64
(2,849)	1:84:A:ILE:HD11	1:85:A:ALA:H	2	2.64
(2,849)	1:84:A:ILE:HD12	1:85:A:ALA:H	2	2.64
(2,849)	1:84:A:ILE:HD13	1:85:A:ALA:H	2	2.64
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	4	2.64
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	4	2.64
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	4	2.64
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	5	2.64
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	5	2.64
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	5	2.64
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	7	2.64
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	7	2.64
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	7	2.64
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	8	2.64
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	8	2.64
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	8	2.64
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	14	2.64
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	14	2.64
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	14	2.64
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	15	2.64
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	15	2.64
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	15	2.64
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	1	2.64
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	1	2.64
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	1	2.64
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	7	2.64
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	7	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	7	2.64
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	9	2.64
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	9	2.64
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	9	2.64
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	13	2.64
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	13	2.64
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	13	2.64
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	16	2.64
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	16	2.64
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	16	2.64
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	19	2.64
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	19	2.64
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	19	2.64
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	8	2.64
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	17	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	1	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	2	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	3	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	4	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	5	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	6	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	7	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	8	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	9	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	10	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	12	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	13	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	14	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	15	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	16	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	17	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	18	2.64
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	19	2.64
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	19	2.64
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	19	2.64
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	19	2.64
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	14	2.63
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	1	2.63
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	1	2.63
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	1	2.63
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	1	2.63
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	1	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	1	2.63
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	1	2.63
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	1	2.63
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	1	2.63
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	20	2.63
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	20	2.63
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	20	2.63
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	5	2.63
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	5	2.63
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	5	2.63
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	12	2.63
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	12	2.63
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	12	2.63
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	15	2.63
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	15	2.63
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	15	2.63
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	17	2.63
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	17	2.63
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	17	2.63
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	7	2.63
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	8	2.63
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	9	2.63
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	17	2.63
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	6	2.63
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	9	2.63
(2,2155)	1:65:A:ILE:HB	1:66:A:GLY:H	19	2.63
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	2	2.63
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	2	2.63
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	2	2.63
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	4	2.63
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	4	2.63
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	4	2.63
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	8	2.63
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	10	2.63
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	10	2.63
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	10	2.63
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	14	2.63
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	14	2.63
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	14	2.63
(2,1419)	1:134:A:ILE:HD11	1:134:A:ILE:HA	14	2.63
(2,1419)	1:134:A:ILE:HD12	1:134:A:ILE:HA	14	2.63
(2,1419)	1:134:A:ILE:HD13	1:134:A:ILE:HA	14	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	1	2.63
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	1	2.63
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	1	2.63
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	9	2.63
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	10	2.63
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	12	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	5	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	5	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	5	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	12	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	12	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	12	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	13	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	13	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	13	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	17	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	17	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	17	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	18	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	18	2.63
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	18	2.63
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	2	2.63
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	2	2.63
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	2	2.63
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	15	2.63
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	15	2.63
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	15	2.63
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	14	2.63
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	14	2.63
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	14	2.63
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	1	2.63
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	1	2.63
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	1	2.63
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	3	2.63
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	3	2.63
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	3	2.63
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	17	2.63
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	17	2.63
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	17	2.63
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	20	2.63
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	20	2.63
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	20	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	4	2.63
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	4	2.63
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	4	2.63
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	5	2.63
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	5	2.63
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	5	2.63
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	14	2.63
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	14	2.63
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	14	2.63
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	17	2.63
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	17	2.63
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	17	2.63
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	1	2.63
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	1	2.63
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	1	2.63
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	4	2.63
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	7	2.63
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	9	2.63
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	18	2.63
(2,52)	1:144:A:ARG:HD2	1:144:A:ARG:HD3	11	2.63
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	12	2.62
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	6	2.62
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	6	2.62
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	6	2.62
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	6	2.62
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	4	2.62
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	4	2.62
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	4	2.62
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	19	2.62
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	19	2.62
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	19	2.62
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	1	2.62
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	11	2.62
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	1	2.62
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	3	2.62
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	4	2.62
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	5	2.62
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	12	2.62
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	13	2.62
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	16	2.62
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	18	2.62
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	19	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	15	2.62
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	15	2.62
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	15	2.62
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	9	2.62
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	9	2.62
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	9	2.62
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	4	2.62
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	4	2.62
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	4	2.62
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	2	2.62
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	5	2.62
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	5	2.62
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	5	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	1	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	2	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	3	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	4	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	5	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	6	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	7	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	8	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	9	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	10	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	11	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	12	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	13	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	14	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	15	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	16	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	17	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	18	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	19	2.62
(2,1242)	1:126:A:HIS:HB2	1:126:A:HIS:HB3	20	2.62
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	19	2.62
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	19	2.62
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	19	2.62
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	6	2.62
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	19	2.62
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	4	2.62
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	4	2.62
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	4	2.62
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	15	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	15	2.62
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	15	2.62
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	19	2.62
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	19	2.62
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	19	2.62
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	1	2.62
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	1	2.62
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	1	2.62
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	2	2.62
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	2	2.62
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	2	2.62
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	9	2.62
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	18	2.62
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	18	2.62
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	18	2.62
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	6	2.62
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	6	2.62
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	6	2.62
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	12	2.62
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	12	2.62
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	12	2.62
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	6	2.62
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	6	2.62
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	6	2.62
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	10	2.62
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	10	2.62
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	10	2.62
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	15	2.62
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	15	2.62
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	15	2.62
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	20	2.62
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	20	2.62
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	20	2.62
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	5	2.62
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	5	2.62
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	5	2.62
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	11	2.62
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	11	2.62
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	11	2.62
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	13	2.62
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	13	2.62
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	13	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	4	2.62
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	4	2.62
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	4	2.62
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	8	2.62
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	8	2.62
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	8	2.62
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	5	2.61
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	7	2.61
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	8	2.61
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	15	2.61
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	5	2.61
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	3	2.61
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	1	2.61
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	1	2.61
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	1	2.61
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	12	2.61
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	12	2.61
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	12	2.61
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	19	2.61
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	19	2.61
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	19	2.61
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	13	2.61
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	13	2.61
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	13	2.61
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	18	2.61
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	2	2.61
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	2	2.61
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	2	2.61
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	10	2.61
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	14	2.61
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	15	2.61
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	20	2.61
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	1	2.61
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	1	2.61
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	1	2.61
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	2	2.61
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	2	2.61
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	2	2.61
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	3	2.61
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	3	2.61
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	3	2.61
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	3	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	3	2.61
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	3	2.61
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	5	2.61
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	5	2.61
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	5	2.61
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	16	2.61
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	16	2.61
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	16	2.61
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	8	2.61
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	8	2.61
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	8	2.61
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	11	2.61
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	11	2.61
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	11	2.61
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	11	2.61
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	11	2.61
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	11	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	1	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	1	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	1	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	2	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	2	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	2	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	3	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	3	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	3	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	4	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	4	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	4	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	5	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	5	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	5	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	6	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	6	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	6	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	7	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	7	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	7	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	8	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	8	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	8	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	9	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	9	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	9	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	10	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	10	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	10	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	11	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	11	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	11	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	12	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	12	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	12	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	13	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	13	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	13	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	14	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	14	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	14	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	15	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	15	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	15	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	16	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	16	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	16	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	17	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	17	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	17	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	18	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	18	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	18	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	19	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	19	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	19	2.61
(2,1339)	1:134:A:ILE:HD11	1:134:A:ILE:HG13	20	2.61
(2,1339)	1:134:A:ILE:HD12	1:134:A:ILE:HG13	20	2.61
(2,1339)	1:134:A:ILE:HD13	1:134:A:ILE:HG13	20	2.61
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	6	2.61
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	6	2.61
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	6	2.61
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	9	2.61
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	9	2.61
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	9	2.61
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	13	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	13	2.61
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	13	2.61
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	17	2.61
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	17	2.61
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	17	2.61
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	11	2.61
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	11	2.61
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	11	2.61
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	3	2.61
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	3	2.61
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	3	2.61
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	16	2.61
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	16	2.61
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	16	2.61
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	10	2.61
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	10	2.61
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	10	2.61
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	18	2.61
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	18	2.61
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	18	2.61
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	13	2.61
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	13	2.61
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	13	2.61
(2,758)	1:138:A:VAL:HG11	1:138:A:VAL:HA	18	2.61
(2,758)	1:138:A:VAL:HG12	1:138:A:VAL:HA	18	2.61
(2,758)	1:138:A:VAL:HG13	1:138:A:VAL:HA	18	2.61
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	3	2.61
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	8	2.61
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	14	2.61
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	5	2.61
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	5	2.61
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	5	2.61
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	2	2.61
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	2	2.61
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	2	2.61
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	10	2.61
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	10	2.61
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	10	2.61
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	14	2.61
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	14	2.61
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	14	2.61
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	13	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	15	2.6
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	5	2.6
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	5	2.6
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	5	2.6
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	13	2.6
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	13	2.6
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	13	2.6
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	17	2.6
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	17	2.6
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	17	2.6
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	6	2.6
(2,2311)	1:142:A:CYS:HB3	1:142:A:CYS:HA	11	2.6
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	7	2.6
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	7	2.6
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	7	2.6
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	16	2.6
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	16	2.6
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	16	2.6
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	4	2.6
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	4	2.6
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	4	2.6
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	7	2.6
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	7	2.6
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	7	2.6
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	16	2.6
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	16	2.6
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	16	2.6
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	18	2.6
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	18	2.6
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	18	2.6
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	9	2.6
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	20	2.6
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	20	2.6
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	20	2.6
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	3	2.6
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	3	2.6
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	3	2.6
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	18	2.6
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	18	2.6
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	18	2.6
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	20	2.6
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	20	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	20	2.6
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	7	2.6
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	7	2.6
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	7	2.6
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	9	2.6
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	9	2.6
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	9	2.6
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	4	2.6
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	4	2.6
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	4	2.6
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	7	2.6
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	7	2.6
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	7	2.6
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	12	2.6
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	12	2.6
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	12	2.6
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	7	2.6
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	7	2.6
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	7	2.6
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	11	2.6
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	11	2.6
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	11	2.6
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	15	2.6
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	15	2.6
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	15	2.6
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	6	2.6
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	6	2.6
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	6	2.6
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	2	2.6
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	6	2.6
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	1	2.6
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	1	2.6
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	1	2.6
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	9	2.6
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	9	2.6
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	9	2.6
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	11	2.6
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	11	2.6
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	11	2.6
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	18	2.6
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	18	2.6
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	18	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	2	2.6
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	2	2.6
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	2	2.6
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	2	2.6
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	2	2.6
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	2	2.6
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	2	2.6
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	2	2.6
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	2	2.6
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	10	2.6
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	10	2.6
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	10	2.6
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	10	2.6
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	10	2.6
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	10	2.6
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	10	2.6
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	10	2.6
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	10	2.6
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	14	2.6
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	14	2.6
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	14	2.6
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	14	2.6
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	14	2.6
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	14	2.6
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	14	2.6
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	14	2.6
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	14	2.6
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	18	2.6
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	18	2.6
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	18	2.6
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	18	2.6
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	18	2.6
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	18	2.6
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	18	2.6
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	18	2.6
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	18	2.6
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	2	2.6
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	2	2.6
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	11	2.6
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	11	2.6
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	9	2.6
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	9	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	9	2.6
(4,189)	1:15:A:LEU:HB2	1:26:A:THR:H	6	2.59
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	10	2.59
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	17	2.59
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	12	2.59
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	2	2.59
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	2	2.59
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	2	2.59
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	3	2.59
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	3	2.59
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	3	2.59
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	4	2.59
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	4	2.59
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	4	2.59
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	10	2.59
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	10	2.59
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	10	2.59
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	11	2.59
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	11	2.59
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	11	2.59
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	14	2.59
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	14	2.59
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	14	2.59
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	18	2.59
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	18	2.59
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	18	2.59
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	4	2.59
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	4	2.59
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	4	2.59
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	8	2.59
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	8	2.59
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	8	2.59
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	12	2.59
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	12	2.59
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	12	2.59
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	8	2.59
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	8	2.59
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	8	2.59
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	10	2.59
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	10	2.59
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	10	2.59
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	11	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	11	2.59
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	11	2.59
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	3	2.59
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	3	2.59
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	3	2.59
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	6	2.59
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	6	2.59
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	6	2.59
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	13	2.59
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	13	2.59
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	13	2.59
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	20	2.59
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	1	2.59
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	1	2.59
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	5	2.59
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	5	2.59
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	8	2.59
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	8	2.59
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	9	2.59
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	9	2.59
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	11	2.59
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	11	2.59
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	12	2.59
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	12	2.59
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	18	2.59
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	18	2.59
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	18	2.59
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	8	2.59
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	8	2.59
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	8	2.59
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	10	2.59
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	10	2.59
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	10	2.59
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	7	2.59
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	7	2.59
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	7	2.59
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	10	2.59
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	10	2.59
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	10	2.59
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	8	2.59
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	8	2.59
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	8	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	1	2.59
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	1	2.59
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	1	2.59
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	13	2.59
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	13	2.59
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	13	2.59
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	17	2.59
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	17	2.59
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	17	2.59
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	17	2.59
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	15	2.59
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	3	2.59
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	3	2.59
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	3	2.59
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	3	2.59
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	5	2.59
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	15	2.59
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	16	2.59
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	16	2.59
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	16	2.59
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	16	2.59
(2,79)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	20	2.59
(2,79)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	20	2.59
(2,79)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	20	2.59
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	16	2.59
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	16	2.59
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	16	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	3	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	3	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	3	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	3	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	3	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	3	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	3	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	3	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	3	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	5	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	5	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	5	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	5	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	5	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	5	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	5	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	5	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	5	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	9	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	9	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	9	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	9	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	9	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	9	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	9	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	9	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	9	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	16	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	16	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	16	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	16	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	16	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	16	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	16	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	16	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	16	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	19	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	19	2.59
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	19	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	19	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	19	2.59
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	19	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	19	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	19	2.59
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	19	2.59
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	15	2.59
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	15	2.59
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	9	2.58
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	18	2.58
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	15	2.58
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	15	2.58
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	15	2.58
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	16	2.58
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	16	2.58
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	16	2.58
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	7	2.58
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	7	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	7	2.58
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	16	2.58
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	16	2.58
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	16	2.58
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	18	2.58
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	18	2.58
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	18	2.58
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	19	2.58
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	19	2.58
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	19	2.58
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	6	2.58
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	6	2.58
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	6	2.58
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	20	2.58
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	20	2.58
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	20	2.58
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	13	2.58
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	13	2.58
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	13	2.58
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	2	2.58
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	2	2.58
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	3	2.58
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	3	2.58
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	10	2.58
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	10	2.58
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	15	2.58
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	15	2.58
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	19	2.58
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	19	2.58
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	3	2.58
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	18	2.58
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	20	2.58
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	20	2.58
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	20	2.58
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	17	2.58
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	17	2.58
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	17	2.58
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	9	2.58
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	9	2.58
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	9	2.58
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	1	2.58
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	1	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	1	2.58
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	3	2.58
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	3	2.58
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	3	2.58
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	10	2.58
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	10	2.58
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	11	2.58
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	11	2.58
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	11	2.58
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	13	2.58
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	13	2.58
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	13	2.58
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	14	2.58
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	14	2.58
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	14	2.58
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	15	2.58
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	15	2.58
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	15	2.58
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	5	2.58
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	5	2.58
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	5	2.58
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	9	2.58
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	9	2.58
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	9	2.58
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	12	2.58
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	12	2.58
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	12	2.58
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	20	2.58
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	20	2.58
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	20	2.58
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	7	2.58
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	7	2.58
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	7	2.58
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	2	2.58
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	10	2.58
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	17	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	1	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	1	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	1	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	1	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	1	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	1	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	1	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	1	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	1	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	4	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	4	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	4	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	4	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	4	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	4	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	4	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	4	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	4	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	12	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	12	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	12	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	12	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	12	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	12	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	12	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	12	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	12	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	15	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	15	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	15	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	15	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	15	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	15	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	15	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	15	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	15	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	20	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	20	2.58
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	20	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	20	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	20	2.58
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	20	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	20	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	20	2.58
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	20	2.58
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	15	2.58
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	15	2.58
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	15	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	16	2.58
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	16	2.58
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	16	2.58
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	16	2.57
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	14	2.57
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	14	2.57
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	14	2.57
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	9	2.57
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	9	2.57
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	9	2.57
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	16	2.57
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	16	2.57
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	16	2.57
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	18	2.57
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	5	2.57
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	5	2.57
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	5	2.57
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	6	2.57
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	6	2.57
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	6	2.57
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	17	2.57
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	17	2.57
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	17	2.57
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	14	2.57
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	14	2.57
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	14	2.57
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	20	2.57
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	20	2.57
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	20	2.57
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	14	2.57
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	14	2.57
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	14	2.57
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	15	2.57
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	15	2.57
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	15	2.57
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	20	2.57
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	20	2.57
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	20	2.57
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	15	2.57
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	15	2.57
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	15	2.57
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	7	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	1	2.57
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	1	2.57
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	1	2.57
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	13	2.57
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	13	2.57
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	10	2.57
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	10	2.57
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	10	2.57
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	12	2.57
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	12	2.57
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	12	2.57
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	15	2.57
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	15	2.57
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	15	2.57
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	8	2.57
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	18	2.57
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	20	2.57
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	20	2.57
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	20	2.57
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	20	2.57
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	20	2.57
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	20	2.57
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	20	2.57
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	20	2.57
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	20	2.57
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	2	2.57
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	2	2.57
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	2	2.57
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	3	2.57
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	3	2.57
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	3	2.57
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	4	2.57
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	4	2.57
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	4	2.57
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	5	2.57
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	5	2.57
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	5	2.57
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	6	2.57
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	6	2.57
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	6	2.57
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	12	2.57
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	12	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	12	2.57
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	16	2.57
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	16	2.57
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	16	2.57
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	18	2.57
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	18	2.57
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	18	2.57
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	19	2.57
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	19	2.57
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	19	2.57
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	7	2.57
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	7	2.57
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	7	2.57
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	14	2.57
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	14	2.57
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	14	2.57
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	20	2.57
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	20	2.57
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	20	2.57
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	8	2.57
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	8	2.57
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	8	2.57
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	15	2.57
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	11	2.57
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	14	2.57
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	5	2.57
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	5	2.57
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	5	2.57
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	5	2.57
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	5	2.57
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	5	2.57
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	5	2.57
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	5	2.57
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	5	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	1	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	1	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	1	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	2	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	2	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	2	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	3	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	3	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	3	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	4	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	4	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	4	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	5	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	5	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	5	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	6	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	6	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	6	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	7	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	7	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	7	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	8	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	8	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	8	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	9	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	9	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	9	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	10	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	10	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	10	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	11	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	11	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	11	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	12	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	12	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	12	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	13	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	13	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	13	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	14	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	14	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	14	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	15	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	15	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	15	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	16	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	16	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	16	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	17	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	17	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	17	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	18	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	18	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	18	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	19	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	19	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	19	2.57
(2,147)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	20	2.57
(2,147)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	20	2.57
(2,147)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	20	2.57
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	4	2.57
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	12	2.57
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	17	2.57
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	17	2.57
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	17	2.57
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	6	2.57
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	6	2.57
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	6	2.57
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	6	2.57
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	6	2.57
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	6	2.57
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	6	2.57
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	6	2.57
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	6	2.57
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	8	2.57
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	8	2.57
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	8	2.57
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	8	2.57
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	8	2.57
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	8	2.57
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	8	2.57
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	8	2.57
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	8	2.57
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	13	2.57
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	13	2.57
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	13	2.57
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	13	2.57
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	13	2.57
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	13	2.57
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	13	2.57
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	13	2.57
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	13	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	17	2.57
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	17	2.57
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	17	2.57
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	17	2.57
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	17	2.57
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	17	2.57
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	17	2.57
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	17	2.57
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	17	2.57
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	17	2.57
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	17	2.57
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	17	2.57
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	19	2.57
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	19	2.57
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	19	2.57
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	3	2.56
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	2	2.56
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	18	2.56
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	18	2.56
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	18	2.56
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	4	2.56
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	15	2.56
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	3	2.56
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	3	2.56
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	3	2.56
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	3	2.56
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	3	2.56
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	3	2.56
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	12	2.56
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	12	2.56
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	12	2.56
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	16	2.56
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	16	2.56
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	16	2.56
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	4	2.56
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	4	2.56
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	4	2.56
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	8	2.56
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	8	2.56
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	8	2.56
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	13	2.56
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	13	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	13	2.56
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	15	2.56
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	15	2.56
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	15	2.56
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	12	2.56
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	12	2.56
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	12	2.56
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	16	2.56
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	16	2.56
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	16	2.56
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	19	2.56
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	19	2.56
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	19	2.56
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	20	2.56
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	20	2.56
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	20	2.56
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	19	2.56
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	19	2.56
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	19	2.56
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	3	2.56
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	3	2.56
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	3	2.56
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	8	2.56
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	8	2.56
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	8	2.56
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	17	2.56
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	17	2.56
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	17	2.56
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	14	2.56
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	14	2.56
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	14	2.56
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	13	2.56
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	1	2.56
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	1	2.56
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	1	2.56
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	9	2.56
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	9	2.56
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	9	2.56
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	17	2.56
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	17	2.56
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	17	2.56
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	20	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	20	2.56
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	20	2.56
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	1	2.56
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	1	2.56
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	1	2.56
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	2	2.56
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	2	2.56
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	2	2.56
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	3	2.56
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	3	2.56
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	3	2.56
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	5	2.56
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	5	2.56
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	5	2.56
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	10	2.56
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	10	2.56
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	10	2.56
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	12	2.56
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	12	2.56
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	12	2.56
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	15	2.56
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	15	2.56
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	15	2.56
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	4	2.56
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	4	2.56
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	4	2.56
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	16	2.56
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	16	2.56
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	16	2.56
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	17	2.56
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	17	2.56
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	17	2.56
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	11	2.56
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	16	2.56
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	20	2.56
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	20	2.56
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	7	2.56
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	7	2.56
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	7	2.56
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	7	2.56
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	7	2.56
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	7	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	7	2.56
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	7	2.56
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	7	2.56
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG21	11	2.56
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG22	11	2.56
(2,46)	1:19:A:ALA:HB1	1:26:A:THR:HG23	11	2.56
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG21	11	2.56
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG22	11	2.56
(2,46)	1:19:A:ALA:HB2	1:26:A:THR:HG23	11	2.56
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG21	11	2.56
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG22	11	2.56
(2,46)	1:19:A:ALA:HB3	1:26:A:THR:HG23	11	2.56
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	17	2.56
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	17	2.56
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	3	2.56
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	3	2.56
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	3	2.56
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	1	2.55
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	2	2.55
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	4	2.55
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	4	2.55
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	11	2.55
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	11	2.55
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	11	2.55
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	17	2.55
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	14	2.55
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	14	2.55
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	14	2.55
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	13	2.55
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	13	2.55
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	13	2.55
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	17	2.55
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	17	2.55
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	17	2.55
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	20	2.55
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	20	2.55
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	20	2.55
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	3	2.55
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	3	2.55
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	3	2.55
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	7	2.55
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	7	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	7	2.55
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	12	2.55
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	12	2.55
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	12	2.55
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	3	2.55
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	3	2.55
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	3	2.55
(2,2163)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	14	2.55
(2,2163)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	14	2.55
(2,2163)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	14	2.55
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	18	2.55
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	18	2.55
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	18	2.55
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	9	2.55
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	9	2.55
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	9	2.55
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	10	2.55
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	10	2.55
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	10	2.55
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	4	2.55
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	4	2.55
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	4	2.55
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	4	2.55
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	7	2.55
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	7	2.55
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	7	2.55
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	9	2.55
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	9	2.55
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	9	2.55
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	12	2.55
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	12	2.55
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	12	2.55
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	14	2.55
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	14	2.55
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	14	2.55
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	18	2.55
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	18	2.55
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	18	2.55
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	19	2.55
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	19	2.55
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	19	2.55
(2,1615)	1:145:A:MET:HE1	1:145:A:MET:HB3	12	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1615)	1:145:A:MET:HE2	1:145:A:MET:HB3	12	2.55
(2,1615)	1:145:A:MET:HE3	1:145:A:MET:HB3	12	2.55
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	13	2.55
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	13	2.55
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	13	2.55
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	2	2.55
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	2	2.55
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	2	2.55
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	8	2.55
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	8	2.55
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	8	2.55
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	14	2.55
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	14	2.55
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	14	2.55
(2,1035)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	8	2.55
(2,1035)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	8	2.55
(2,1035)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	8	2.55
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	4	2.55
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	4	2.55
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	4	2.55
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	6	2.55
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	6	2.55
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	6	2.55
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	13	2.55
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	13	2.55
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	13	2.55
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	16	2.55
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	16	2.55
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	16	2.55
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	18	2.55
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	18	2.55
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	18	2.55
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	19	2.55
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	19	2.55
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	19	2.55
(2,1010)	1:57:A:ILE:HD11	1:160:A:GLY:HA3	14	2.55
(2,1010)	1:57:A:ILE:HD12	1:160:A:GLY:HA3	14	2.55
(2,1010)	1:57:A:ILE:HD13	1:160:A:GLY:HA3	14	2.55
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	3	2.55
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	3	2.55
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	3	2.55
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	6	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	6	2.55
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	6	2.55
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	2	2.55
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	18	2.55
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	8	2.55
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	12	2.55
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	12	2.55
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	12	2.55
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	12	2.55
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	15	2.55
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	1	2.55
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	1	2.55
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	1	2.55
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	1	2.55
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	1	2.55
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	1	2.55
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	1	2.55
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	1	2.55
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	1	2.55
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	6	2.55
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	6	2.55
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	6	2.55
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	6	2.55
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	6	2.55
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	6	2.55
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	6	2.55
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	6	2.55
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	6	2.55
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	15	2.55
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	15	2.55
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	15	2.55
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	15	2.55
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	15	2.55
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	15	2.55
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	15	2.55
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	15	2.55
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	15	2.55
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	17	2.55
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	17	2.55
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	17	2.55
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	17	2.55
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	17	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	17	2.55
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	17	2.55
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	17	2.55
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	17	2.55
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	5	2.55
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	11	2.55
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	20	2.55
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	20	2.55
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	20	2.55
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	11	2.54
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	12	2.54
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	12	2.54
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	12	2.54
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	12	2.54
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	16	2.54
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	10	2.54
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	10	2.54
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	10	2.54
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	11	2.54
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	11	2.54
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	11	2.54
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	18	2.54
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	18	2.54
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	18	2.54
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	4	2.54
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	4	2.54
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	4	2.54
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	9	2.54
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	9	2.54
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	9	2.54
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	5	2.54
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	13	2.54
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	1	2.54
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	1	2.54
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	1	2.54
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	10	2.54
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	10	2.54
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	10	2.54
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	20	2.54
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	20	2.54
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	20	2.54
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	2	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	2	2.54
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	2	2.54
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	7	2.54
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	7	2.54
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	7	2.54
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	8	2.54
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	8	2.54
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	8	2.54
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	10	2.54
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	10	2.54
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	10	2.54
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	20	2.54
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	20	2.54
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	20	2.54
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	5	2.54
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	5	2.54
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	5	2.54
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	17	2.54
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	17	2.54
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	17	2.54
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	19	2.54
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	19	2.54
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	19	2.54
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	9	2.54
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	9	2.54
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	9	2.54
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	12	2.54
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	12	2.54
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	12	2.54
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	17	2.54
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	17	2.54
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	17	2.54
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	1	2.54
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	1	2.54
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	1	2.54
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	2	2.54
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	2	2.54
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	2	2.54
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	5	2.54
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	5	2.54
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	5	2.54
(2,2101)	1:84:A:ILE:HD11	1:68:A:LYS:HG3	17	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2101)	1:84:A:ILE:HD12	1:68:A:LYS:HG3	17	2.54
(2,2101)	1:84:A:ILE:HD13	1:68:A:LYS:HG3	17	2.54
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	8	2.54
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	2	2.54
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	2	2.54
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	2	2.54
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	5	2.54
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	5	2.54
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	5	2.54
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	10	2.54
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	10	2.54
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	10	2.54
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	20	2.54
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	20	2.54
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	20	2.54
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	15	2.54
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	7	2.54
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	7	2.54
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	7	2.54
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	6	2.54
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	6	2.54
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	6	2.54
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	7	2.54
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	7	2.54
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	7	2.54
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	8	2.54
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	8	2.54
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	8	2.54
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	11	2.54
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	11	2.54
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	11	2.54
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	17	2.54
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	17	2.54
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	17	2.54
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	20	2.54
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	20	2.54
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	20	2.54
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	14	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	1	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	2	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	3	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	4	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	5	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	6	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	7	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	8	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	9	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	10	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	12	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	13	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	14	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	15	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	16	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	17	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	18	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	19	2.54
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	20	2.54
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	10	2.54
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	13	2.54
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	8	2.54
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	8	2.54
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	8	2.54
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	9	2.54
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	9	2.54
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	9	2.54
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	5	2.54
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	13	2.54
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	16	2.54
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	17	2.54
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	19	2.54
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	18	2.54
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	18	2.54
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	18	2.54
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	18	2.54
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	18	2.54
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	18	2.54
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	18	2.54
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	18	2.54
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	18	2.54
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	13	2.54
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	13	2.54
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	13	2.54
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	1	2.54
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	7	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	13	2.54
(2,82)	1:48:A:ILE:HG12	1:48:A:ILE:H	19	2.54
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	19	2.53
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	12	2.53
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	1	2.53
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	1	2.53
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	1	2.53
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	15	2.53
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	15	2.53
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	15	2.53
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	19	2.53
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	19	2.53
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	19	2.53
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	15	2.53
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	19	2.53
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	4	2.53
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	4	2.53
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	4	2.53
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	6	2.53
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	6	2.53
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	6	2.53
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	9	2.53
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	9	2.53
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	9	2.53
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	11	2.53
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	11	2.53
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	11	2.53
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	13	2.53
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	13	2.53
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	13	2.53
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	15	2.53
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	15	2.53
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	15	2.53
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	16	2.53
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	16	2.53
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	16	2.53
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	17	2.53
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	17	2.53
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	17	2.53
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	19	2.53
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	19	2.53
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	19	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	12	2.53
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	12	2.53
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	12	2.53
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	13	2.53
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	13	2.53
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	13	2.53
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	5	2.53
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	5	2.53
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	5	2.53
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	6	2.53
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	6	2.53
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	6	2.53
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	15	2.53
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	15	2.53
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	15	2.53
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	16	2.53
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	16	2.53
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	16	2.53
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	17	2.53
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	17	2.53
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	17	2.53
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	16	2.53
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	16	2.53
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	16	2.53
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	1	2.53
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	14	2.53
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	18	2.53
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	18	2.53
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	18	2.53
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	18	2.53
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	18	2.53
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	18	2.53
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	18	2.53
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	18	2.53
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	18	2.53
(2,1014)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	9	2.53
(2,1014)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	9	2.53
(2,1014)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	9	2.53
(2,596)	1:145:A:MET:HB2	1:145:A:MET:HB3	11	2.53
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	9	2.53
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	3	2.53
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	3	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	3	2.53
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	5	2.53
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	5	2.53
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	5	2.53
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	10	2.53
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	10	2.53
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	10	2.53
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	13	2.53
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	13	2.53
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	13	2.53
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	16	2.53
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	16	2.53
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	16	2.53
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	17	2.53
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	17	2.53
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	17	2.53
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	18	2.53
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	18	2.53
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	18	2.53
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	19	2.53
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	19	2.53
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	19	2.53
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	20	2.53
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	20	2.53
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	20	2.53
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	4	2.53
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	1	2.53
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	1	2.53
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	1	2.53
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	2	2.53
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	2	2.53
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	2	2.53
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	2	2.53
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	2	2.53
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	2	2.53
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	2	2.53
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	2	2.53
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	2	2.53
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	7	2.53
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	7	2.53
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	7	2.53
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	7	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	7	2.53
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	7	2.53
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	7	2.53
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	7	2.53
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	7	2.53
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	9	2.53
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	9	2.53
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	9	2.53
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	9	2.53
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	9	2.53
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	9	2.53
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	9	2.53
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	9	2.53
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	9	2.53
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	5	2.53
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	5	2.53
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	5	2.53
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	8	2.53
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	8	2.53
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	8	2.53
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	11	2.53
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	8	2.53
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	8	2.53
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	8	2.53
(2,3164)	1:115:A:TRP:HE3	1:115:A:TRP:HB2	20	2.52
(2,2663)	1:9:A:VAL:HG21	1:9:A:VAL:H	8	2.52
(2,2663)	1:9:A:VAL:HG22	1:9:A:VAL:H	8	2.52
(2,2663)	1:9:A:VAL:HG23	1:9:A:VAL:H	8	2.52
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	7	2.52
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	12	2.52
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	20	2.52
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	14	2.52
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	5	2.52
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	5	2.52
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	5	2.52
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	14	2.52
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	14	2.52
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	14	2.52
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	2	2.52
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	7	2.52
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	16	2.52
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	20	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	9	2.52
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	9	2.52
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	9	2.52
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	11	2.52
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	11	2.52
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	11	2.52
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	3	2.52
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	3	2.52
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	3	2.52
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	5	2.52
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	5	2.52
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	5	2.52
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	18	2.52
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	18	2.52
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	18	2.52
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	2	2.52
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	2	2.52
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	2	2.52
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	2	2.52
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	2	2.52
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	2	2.52
(2,1922)	1:61:A:ILE:HG21	1:61:A:ILE:HA	11	2.52
(2,1922)	1:61:A:ILE:HG22	1:61:A:ILE:HA	11	2.52
(2,1922)	1:61:A:ILE:HG23	1:61:A:ILE:HA	11	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	1	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	2	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	3	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	4	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	5	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	6	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	7	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	8	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	9	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	10	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	11	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	12	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	13	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	14	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	15	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	16	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	17	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	18	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	19	2.52
(2,1880)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	20	2.52
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	6	2.52
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	6	2.52
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	7	2.52
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	7	2.52
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	11	2.52
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	11	2.52
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	11	2.52
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	9	2.52
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	9	2.52
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	9	2.52
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	2	2.52
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	2	2.52
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	2	2.52
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	5	2.52
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	13	2.52
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	16	2.52
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	16	2.52
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	16	2.52
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	19	2.52
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	19	2.52
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	19	2.52
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	16	2.52
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	16	2.52
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	16	2.52
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	9	2.52
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	9	2.52
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	9	2.52
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	1	2.52
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	17	2.52
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	17	2.52
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	17	2.52
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	4	2.52
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	4	2.52
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	4	2.52
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	6	2.52
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	6	2.52
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	6	2.52
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	11	2.52
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	11	2.52
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	11	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	15	2.52
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	15	2.52
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	15	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	3	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	3	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	3	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	3	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	3	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	3	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	3	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	3	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	3	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	4	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	4	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	4	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	4	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	4	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	4	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	4	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	4	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	4	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	8	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	8	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	8	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	8	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	8	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	8	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	8	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	8	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	8	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	10	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	10	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	10	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	10	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	10	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	10	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	10	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	10	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	10	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	11	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	11	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	11	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	11	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	11	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	11	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	11	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	11	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	11	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	16	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	16	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	16	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	16	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	16	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	16	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	16	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	16	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	16	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	19	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	19	2.52
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	19	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	19	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	19	2.52
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	19	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	19	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	19	2.52
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	19	2.52
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	1	2.52
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	1	2.52
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	1	2.52
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	7	2.52
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	7	2.52
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	7	2.52
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	10	2.52
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	10	2.52
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	10	2.52
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	20	2.52
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	20	2.52
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	20	2.52
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	4	2.52
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	20	2.52
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	1	2.52
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	1	2.52
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	2	2.52
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	2	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	2	2.52
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	12	2.52
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	12	2.52
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	12	2.52
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	16	2.51
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	8	2.51
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	8	2.51
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	8	2.51
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	6	2.51
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	13	2.51
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	10	2.51
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	14	2.51
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	17	2.51
(2,2358)	1:134:A:ILE:HD11	1:134:A:ILE:HA	14	2.51
(2,2358)	1:134:A:ILE:HD12	1:134:A:ILE:HA	14	2.51
(2,2358)	1:134:A:ILE:HD13	1:134:A:ILE:HA	14	2.51
(2,2292)	1:74:A:LEU:HD21	1:74:A:LEU:HA	1	2.51
(2,2292)	1:74:A:LEU:HD22	1:74:A:LEU:HA	1	2.51
(2,2292)	1:74:A:LEU:HD23	1:74:A:LEU:HA	1	2.51
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	6	2.51
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	6	2.51
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	6	2.51
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	3	2.51
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	3	2.51
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	3	2.51
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	14	2.51
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	14	2.51
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	14	2.51
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	14	2.51
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	14	2.51
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	18	2.51
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	18	2.51
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	6	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	1	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	1	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	1	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	2	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	2	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	2	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	3	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	3	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	3	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	4	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	4	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	4	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	5	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	5	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	5	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	6	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	6	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	6	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	7	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	7	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	7	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	8	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	8	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	8	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	9	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	9	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	9	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	10	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	10	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	10	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	11	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	11	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	11	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	12	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	12	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	12	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	13	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	13	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	13	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	14	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	14	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	14	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	15	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	15	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	15	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	16	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	16	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	16	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	17	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	17	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	17	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	18	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	18	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	18	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	19	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	19	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	19	2.51
(2,1432)	1:125:A:ILE:HD11	1:125:A:ILE:HG13	20	2.51
(2,1432)	1:125:A:ILE:HD12	1:125:A:ILE:HG13	20	2.51
(2,1432)	1:125:A:ILE:HD13	1:125:A:ILE:HG13	20	2.51
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	16	2.51
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	16	2.51
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	16	2.51
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	2	2.51
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	4	2.51
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	19	2.51
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	20	2.51
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	4	2.51
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	20	2.51
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	20	2.51
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	20	2.51
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	12	2.51
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	12	2.51
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	12	2.51
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	13	2.51
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	13	2.51
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	13	2.51
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	18	2.51
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	18	2.51
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	18	2.51
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	8	2.51
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	9	2.51
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	10	2.51
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	1	2.51
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	1	2.51
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	1	2.51
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	7	2.51
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	7	2.51
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	7	2.51
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	1	2.51
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	2	2.51
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	18	2.51
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	5	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	5	2.51
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	5	2.51
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	7	2.51
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	7	2.51
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	7	2.51
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	12	2.51
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	12	2.51
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	12	2.51
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	12	2.51
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	12	2.51
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	12	2.51
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	12	2.51
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	12	2.51
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	12	2.51
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	13	2.51
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	13	2.51
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	13	2.51
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	13	2.51
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	13	2.51
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	13	2.51
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	13	2.51
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	13	2.51
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	13	2.51
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	14	2.51
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	14	2.51
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	14	2.51
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	14	2.51
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	14	2.51
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	14	2.51
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	14	2.51
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	14	2.51
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	14	2.51
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	2	2.51
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	2	2.51
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	2	2.51
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	9	2.51
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	9	2.51
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	9	2.51
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	15	2.51
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	15	2.51
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	15	2.51
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	7	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	7	2.51
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	7	2.51
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	11	2.51
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	11	2.51
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	11	2.51
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	7	2.5
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	20	2.5
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	20	2.5
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	20	2.5
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	20	2.5
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	7	2.5
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	5	2.5
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	15	2.5
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	2	2.5
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	2	2.5
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	2	2.5
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	2	2.5
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	3	2.5
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	5	2.5
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	10	2.5
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	15	2.5
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	17	2.5
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	18	2.5
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	20	2.5
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	17	2.5
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	17	2.5
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	17	2.5
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	18	2.5
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	18	2.5
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	18	2.5
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	4	2.5
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	17	2.5
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	19	2.5
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	15	2.5
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	15	2.5
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	15	2.5
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	16	2.5
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	16	2.5
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	16	2.5
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	4	2.5
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	4	2.5
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	4	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	19	2.5
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	19	2.5
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	19	2.5
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	6	2.5
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	17	2.5
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	1	2.5
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	1	2.5
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	1	2.5
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	4	2.5
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	4	2.5
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	4	2.5
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	17	2.5
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	17	2.5
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	17	2.5
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	8	2.5
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	8	2.5
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	8	2.5
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	16	2.5
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	16	2.5
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	16	2.5
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	20	2.5
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	1	2.5
(2,488)	1:126:A:HIS:HB2	1:115:A:TRP:HA	18	2.5
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	2	2.5
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	2	2.5
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	2	2.5
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	16	2.5
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	20	2.5
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	8	2.5
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	8	2.5
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	8	2.5
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD11	20	2.5
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD12	20	2.5
(2,320)	1:57:A:ILE:HG21	1:57:A:ILE:HD13	20	2.5
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD11	20	2.5
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD12	20	2.5
(2,320)	1:57:A:ILE:HG22	1:57:A:ILE:HD13	20	2.5
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD11	20	2.5
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD12	20	2.5
(2,320)	1:57:A:ILE:HG23	1:57:A:ILE:HD13	20	2.5
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	4	2.5
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	4	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	4	2.5
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	14	2.5
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	14	2.5
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	14	2.5
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	17	2.5
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	17	2.5
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	17	2.5
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	13	2.5
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	13	2.5
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	13	2.5
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	10	2.5
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	10	2.5
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	14	2.5
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	14	2.5
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	5	2.5
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	5	2.5
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	5	2.5
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	8	2.49
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	17	2.49
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	20	2.49
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	20	2.49
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	20	2.49
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	20	2.49
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	20	2.49
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	20	2.49
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	20	2.49
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	20	2.49
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	20	2.49
(2,2990)	1:115:A:TRP:HA	1:103:A:ARG:HE	18	2.49
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	1	2.49
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	4	2.49
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	7	2.49
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	8	2.49
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	11	2.49
(2,2387)	1:120:A:LYS:HB3	1:120:A:LYS:H	4	2.49
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	11	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	9	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	9	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	9	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	10	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	10	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	10	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	11	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	11	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	11	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	16	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	16	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	16	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	19	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	19	2.49
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	19	2.49
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	6	2.49
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	6	2.49
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	6	2.49
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	8	2.49
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	8	2.49
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	8	2.49
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	16	2.49
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	12	2.49
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	12	2.49
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	3	2.49
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	17	2.49
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	17	2.49
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	17	2.49
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	19	2.49
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	19	2.49
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	19	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	1	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	1	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	1	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	1	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	1	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	1	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	1	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	1	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	1	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	2	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	2	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	2	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	2	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	2	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	2	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	2	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	2	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	2	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	5	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	5	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	5	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	5	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	5	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	5	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	5	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	5	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	5	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	6	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	6	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	6	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	6	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	6	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	6	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	6	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	6	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	6	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	7	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	7	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	7	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	7	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	7	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	7	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	7	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	7	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	7	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	8	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	8	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	8	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	8	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	8	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	8	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	8	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	8	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	8	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	9	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	9	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	9	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	9	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	9	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	9	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	9	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	9	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	9	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	10	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	10	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	10	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	10	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	10	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	10	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	10	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	10	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	10	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	11	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	11	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	11	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	11	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	11	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	11	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	11	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	11	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	11	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	12	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	12	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	12	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	12	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	12	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	12	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	12	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	12	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	12	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	13	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	13	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	13	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	13	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	13	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	13	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	13	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	13	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	13	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	14	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	14	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	14	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	14	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	14	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	14	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	14	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	14	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	14	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	18	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	18	2.49
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	18	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	18	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	18	2.49
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	18	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	18	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	18	2.49
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	18	2.49
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	15	2.49
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	15	2.49
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	15	2.49
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	19	2.49
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	19	2.49
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	19	2.49
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	2	2.49
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	2	2.49
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	2	2.49
(2,679)	1:84:A:ILE:HD11	1:68:A:LYS:HG2	10	2.49
(2,679)	1:84:A:ILE:HD12	1:68:A:LYS:HG2	10	2.49
(2,679)	1:84:A:ILE:HD13	1:68:A:LYS:HG2	10	2.49
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	3	2.49
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	3	2.49
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	3	2.49
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	4	2.49
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	12	2.49
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	6	2.49
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	6	2.49
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	6	2.49
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	18	2.49
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	18	2.49
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	18	2.49
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	6	2.49
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	6	2.49
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	6	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	18	2.49
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	18	2.49
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	18	2.49
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	1	2.49
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	1	2.49
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	1	2.49
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	4	2.49
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	4	2.49
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	4	2.49
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	7	2.49
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	7	2.49
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	7	2.49
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	12	2.49
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	12	2.49
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	12	2.49
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	8	2.49
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	7	2.49
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	7	2.49
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	11	2.48
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	11	2.48
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	11	2.48
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	11	2.48
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	11	2.48
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	11	2.48
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	11	2.48
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	11	2.48
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	11	2.48
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	3	2.48
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	6	2.48
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	14	2.48
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	14	2.48
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	14	2.48
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	20	2.48
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	20	2.48
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	20	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	1	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	2	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	3	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	4	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	5	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	6	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	7	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	8	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	9	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	10	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	11	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	12	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	13	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	14	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	15	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	16	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	17	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	18	2.48
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	19	2.48
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	9	2.48
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	8	2.48
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	8	2.48
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	8	2.48
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	17	2.48
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	7	2.48
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	7	2.48
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	7	2.48
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	15	2.48
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	15	2.48
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	15	2.48
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	20	2.48
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	3	2.48
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	5	2.48
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	8	2.48
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	12	2.48
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	3	2.48
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	3	2.48
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	3	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	3	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	3	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	3	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	3	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	3	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	3	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	3	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	3	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	3	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	15	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	15	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	15	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	15	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	15	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	15	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	15	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	15	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	15	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	16	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	16	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	16	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	16	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	16	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	16	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	16	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	16	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	16	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	17	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	17	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	17	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	17	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	17	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	17	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	17	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	17	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	17	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	19	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	19	2.48
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	19	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	19	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	19	2.48
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	19	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	19	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	19	2.48
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	19	2.48
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	2	2.48
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	14	2.48
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	14	2.48
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	14	2.48
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	2	2.48
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	2	2.48
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	2	2.48
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	8	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	8	2.48
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	8	2.48
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	14	2.48
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	14	2.48
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	14	2.48
(2,462)	1:84:A:ILE:HD11	1:84:A:ILE:H	14	2.48
(2,462)	1:84:A:ILE:HD12	1:84:A:ILE:H	14	2.48
(2,462)	1:84:A:ILE:HD13	1:84:A:ILE:H	14	2.48
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	5	2.48
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	8	2.48
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	10	2.48
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	14	2.48
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	15	2.48
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	18	2.48
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	11	2.48
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	15	2.48
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	15	2.48
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	15	2.48
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	11	2.48
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	11	2.48
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	11	2.48
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	12	2.48
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	12	2.48
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	12	2.48
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	16	2.48
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	16	2.48
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	16	2.48
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	11	2.48
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	11	2.48
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	11	2.48
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	19	2.48
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	19	2.48
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	19	2.48
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	4	2.48
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	1	2.48
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	1	2.48
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	1	2.48
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	9	2.47
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	15	2.47
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	13	2.47
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	2	2.47
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	1	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2491)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	20	2.47
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	16	2.47
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	7	2.47
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	7	2.47
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	7	2.47
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	14	2.47
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	14	2.47
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	14	2.47
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	15	2.47
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	15	2.47
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	15	2.47
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	18	2.47
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	18	2.47
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	18	2.47
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	4	2.47
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	4	2.47
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	19	2.47
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	19	2.47
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	19	2.47
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	20	2.47
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	1	2.47
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	4	2.47
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	6	2.47
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	7	2.47
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	9	2.47
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	10	2.47
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	16	2.47
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	17	2.47
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	19	2.47
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	20	2.47
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	15	2.47
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	4	2.47
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	4	2.47
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	4	2.47
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	4	2.47
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	4	2.47
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	4	2.47
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	4	2.47
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	4	2.47
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	4	2.47
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	20	2.47
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	20	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1305)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	20	2.47
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	20	2.47
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	20	2.47
(2,1305)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	20	2.47
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	20	2.47
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	20	2.47
(2,1305)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	20	2.47
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG21	5	2.47
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG22	5	2.47
(2,1277)	1:101:A:ILE:H	1:101:A:ILE:HG23	5	2.47
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	5	2.47
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	14	2.47
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	14	2.47
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	14	2.47
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	14	2.47
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	14	2.47
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	14	2.47
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	14	2.47
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	14	2.47
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	14	2.47
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	11	2.47
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	11	2.47
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	11	2.47
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	15	2.47
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	15	2.47
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	15	2.47
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	12	2.47
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	12	2.47
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	12	2.47
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	12	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	1	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	1	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	1	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	3	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	3	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	3	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	9	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	9	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	9	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	10	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	10	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	10	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	13	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	13	2.47
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	13	2.47
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	3	2.47
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	6	2.47
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	7	2.47
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	9	2.47
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	11	2.47
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	13	2.47
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	10	2.47
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	10	2.47
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	10	2.47
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	19	2.47
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	19	2.47
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	19	2.47
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	11	2.47
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	11	2.47
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	12	2.47
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	12	2.47
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	18	2.47
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	18	2.47
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	5	2.46
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	9	2.46
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	17	2.46
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	19	2.46
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	14	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	2	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	2	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	2	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	2	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	2	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	2	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	2	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	2	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	2	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	3	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	3	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	3	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	3	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	3	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	3	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	3	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	3	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	3	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	4	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	4	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	4	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	4	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	4	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	4	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	4	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	4	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	4	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	6	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	6	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	6	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	6	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	6	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	6	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	6	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	6	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	6	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	10	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	10	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	10	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	10	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	10	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	10	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	10	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	10	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	10	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	12	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	12	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	12	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	12	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	12	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	12	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	12	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	12	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	12	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	13	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	13	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	13	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	13	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	13	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	13	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	13	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	13	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	13	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	14	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	14	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	14	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	14	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	14	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	14	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	14	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	14	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	14	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	15	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	15	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	15	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	15	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	15	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	15	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	15	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	15	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	15	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	17	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	17	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	17	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	17	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	17	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	17	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	17	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	17	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	17	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	18	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	18	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	18	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	18	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	18	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	18	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	18	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	18	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	18	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	19	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	19	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	19	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	19	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	19	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	19	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	19	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	19	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	19	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	20	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	20	2.46
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	20	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	20	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	20	2.46
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	20	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	20	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	20	2.46
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	20	2.46
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	1	2.46
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	2	2.46
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	4	2.46
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	5	2.46
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	7	2.46
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	11	2.46
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	16	2.46
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	18	2.46
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	19	2.46
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	20	2.46
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	4	2.46
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	7	2.46
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	10	2.46
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	11	2.46
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	17	2.46
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	20	2.46
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	19	2.46
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	14	2.46
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	14	2.46
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	14	2.46
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	1	2.46
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	1	2.46
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	1	2.46
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	4	2.46
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	4	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	4	2.46
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD11	20	2.46
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD12	20	2.46
(2,2245)	1:65:A:ILE:HA	1:65:A:ILE:HD13	20	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	1	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	2	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	4	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	5	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	7	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	9	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	10	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	11	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	12	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	13	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	14	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	15	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	17	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	18	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	19	2.46
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	20	2.46
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	4	2.46
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	2	2.46
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	11	2.46
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	14	2.46
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	18	2.46
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	7	2.46
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	10	2.46
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	5	2.46
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	5	2.46
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	5	2.46
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	14	2.46
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	14	2.46
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	14	2.46
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	17	2.46
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	17	2.46
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	17	2.46
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	16	2.46
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	3	2.46
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	3	2.46
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	3	2.46
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	20	2.46
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	20	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	20	2.46
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	5	2.46
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	5	2.46
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	5	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	5	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	5	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	5	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	7	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	7	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	7	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	11	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	11	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	11	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	15	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	15	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	15	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	18	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	18	2.46
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	18	2.46
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	19	2.46
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	19	2.46
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	4	2.46
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	4	2.46
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	4	2.46
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	9	2.46
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	9	2.46
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	9	2.46
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	20	2.46
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	8	2.46
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	8	2.46
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	8	2.46
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	10	2.46
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	10	2.46
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	10	2.46
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	15	2.46
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	15	2.46
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	15	2.46
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	20	2.46
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	20	2.46
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	20	2.46
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	3	2.46
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	3	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	6	2.45
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	12	2.45
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	14	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	1	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	1	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	1	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	1	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	1	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	1	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	1	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	1	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	1	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	5	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	5	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	5	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	5	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	5	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	5	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	5	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	5	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	5	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	7	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	7	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	7	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	7	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	7	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	7	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	7	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	7	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	7	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	8	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	8	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	8	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	8	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	8	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	8	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	8	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	8	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	8	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	9	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	9	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	9	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	9	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	9	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	9	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	9	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	9	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	9	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	11	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	11	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	11	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	11	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	11	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	11	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	11	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	11	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	11	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	16	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	16	2.45
(2,3059)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	16	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	16	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	16	2.45
(2,3059)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	16	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	16	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	16	2.45
(2,3059)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	16	2.45
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	18	2.45
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	18	2.45
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	18	2.45
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	18	2.45
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	18	2.45
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	18	2.45
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	18	2.45
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	18	2.45
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	18	2.45
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	3	2.45
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	6	2.45
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	8	2.45
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	9	2.45
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	10	2.45
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	12	2.45
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	13	2.45
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	14	2.45
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	15	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2860)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	17	2.45
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	18	2.45
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	8	2.45
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	3	2.45
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	6	2.45
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	8	2.45
(2,1926)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	16	2.45
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	13	2.45
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	13	2.45
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	13	2.45
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	1	2.45
(2,1701)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	13	2.45
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	7	2.45
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	17	2.45
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	17	2.45
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	17	2.45
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	8	2.45
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	8	2.45
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	8	2.45
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	2	2.45
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	2	2.45
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	2	2.45
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	6	2.45
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	6	2.45
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	6	2.45
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	10	2.45
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	10	2.45
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	10	2.45
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	13	2.45
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	13	2.45
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	13	2.45
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	7	2.45
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	7	2.45
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	7	2.45
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	13	2.45
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	13	2.45
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	13	2.45
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	20	2.45
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	20	2.45
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	20	2.45
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	17	2.45
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	6	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	6	2.45
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	6	2.45
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	12	2.45
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	12	2.45
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	12	2.45
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	19	2.45
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	19	2.45
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	19	2.45
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	10	2.45
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	10	2.45
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	10	2.45
(2,392)	1:65:A:ILE:HG12	1:65:A:ILE:H	17	2.45
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	2	2.45
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	2	2.45
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	2	2.45
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	14	2.45
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	14	2.45
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	14	2.45
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	2	2.45
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	2	2.45
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	2	2.45
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	5	2.45
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	5	2.45
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	5	2.45
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	14	2.45
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	14	2.45
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	14	2.45
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	16	2.45
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	16	2.45
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	16	2.45
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	17	2.45
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	17	2.45
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	17	2.45
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	16	2.45
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	19	2.45
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	19	2.45
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	4	2.45
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	4	2.45
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	4	2.45
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	16	2.44
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	3	2.44
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	4	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	7	2.44
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	11	2.44
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	16	2.44
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	18	2.44
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	20	2.44
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	20	2.44
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	20	2.44
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	20	2.44
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	6	2.44
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	8	2.44
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	1	2.44
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	1	2.44
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	1	2.44
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	11	2.44
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	1	2.44
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	1	2.44
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	1	2.44
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	9	2.44
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	10	2.44
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	14	2.44
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	2	2.44
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	2	2.44
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	2	2.44
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	11	2.44
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	11	2.44
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	11	2.44
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	12	2.44
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	12	2.44
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	12	2.44
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	20	2.44
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	4	2.44
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	4	2.44
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	4	2.44
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	16	2.44
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	16	2.44
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	16	2.44
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	20	2.44
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	10	2.44
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	10	2.44
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	10	2.44
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	10	2.44
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	10	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	10	2.44
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	10	2.44
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	10	2.44
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	10	2.44
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	7	2.44
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	7	2.44
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	7	2.44
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	13	2.44
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	13	2.44
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	13	2.44
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	5	2.44
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	5	2.44
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	5	2.44
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	7	2.44
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	7	2.44
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	7	2.44
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	3	2.44
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	7	2.44
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	13	2.44
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	1	2.44
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	10	2.44
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	7	2.44
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	13	2.44
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	18	2.44
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	3	2.44
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	3	2.44
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	3	2.44
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	6	2.44
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	6	2.44
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	6	2.44
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	9	2.44
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	9	2.44
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	9	2.44
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	4	2.44
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	4	2.44
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	1	2.43
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	2	2.43
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	8	2.43
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	10	2.43
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	15	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	1	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	1	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	1	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	5	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	5	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	5	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	8	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	8	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	8	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	16	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	16	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	16	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	18	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	18	2.43
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	18	2.43
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	2	2.43
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	9	2.43
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	15	2.43
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	17	2.43
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	3	2.43
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG21	13	2.43
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG22	13	2.43
(2,2149)	1:56:A:THR:H	1:56:A:THR:HG23	13	2.43
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	4	2.43
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	4	2.43
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	4	2.43
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	7	2.43
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	7	2.43
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	7	2.43
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	11	2.43
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	11	2.43
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	11	2.43
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	12	2.43
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	12	2.43
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	12	2.43
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	4	2.43
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	17	2.43
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	4	2.43
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	9	2.43
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	14	2.43
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	3	2.43
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	4	2.43
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	12	2.43
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	12	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	12	2.43
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	7	2.43
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	7	2.43
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	7	2.43
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	6	2.43
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	6	2.43
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	6	2.43
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	7	2.43
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	7	2.43
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	7	2.43
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	8	2.43
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	8	2.43
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	8	2.43
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	11	2.43
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	11	2.43
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	11	2.43
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	1	2.43
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	1	2.43
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	1	2.43
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	15	2.43
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	15	2.43
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	15	2.43
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	5	2.43
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	5	2.43
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	5	2.43
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	15	2.43
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	15	2.43
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	15	2.43
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	20	2.43
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	20	2.43
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	20	2.43
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	1	2.43
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	1	2.43
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	1	2.43
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	2	2.43
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	2	2.43
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	2	2.43
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	4	2.43
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	4	2.43
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	4	2.43
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	5	2.43
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	5	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	5	2.43
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	9	2.43
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	9	2.43
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	9	2.43
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	10	2.43
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	10	2.43
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	10	2.43
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	12	2.43
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	12	2.43
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	12	2.43
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	16	2.43
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	16	2.43
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	16	2.43
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	20	2.43
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	20	2.43
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	20	2.43
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	16	2.43
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	16	2.43
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	16	2.43
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	13	2.43
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	13	2.43
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	13	2.43
(2,997)	1:84:A:ILE:HD11	1:69:A:THR:H	2	2.43
(2,997)	1:84:A:ILE:HD12	1:69:A:THR:H	2	2.43
(2,997)	1:84:A:ILE:HD13	1:69:A:THR:H	2	2.43
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	3	2.43
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	3	2.43
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	3	2.43
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	3	2.43
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	3	2.43
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	3	2.43
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	17	2.43
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	17	2.43
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	17	2.43
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	19	2.43
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	19	2.43
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	19	2.43
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	13	2.43
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	18	2.43
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	9	2.43
(2,174)	1:48:A:ILE:HD11	1:48:A:ILE:HA	18	2.43
(2,174)	1:48:A:ILE:HD12	1:48:A:ILE:HA	18	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,174)	1:48:A:ILE:HD13	1:48:A:ILE:HA	18	2.43
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	2	2.43
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	2	2.43
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	11	2.43
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	11	2.43
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	11	2.43
(2,3178)	1:98:A:PHE:HB2	1:98:A:PHE:H	13	2.42
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	10	2.42
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	16	2.42
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	16	2.42
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	16	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	2	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	2	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	2	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	3	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	3	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	3	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	4	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	4	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	4	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	6	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	6	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	6	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	7	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	7	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	7	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	9	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	9	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	9	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	10	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	10	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	10	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	11	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	11	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	11	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	12	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	12	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	12	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	13	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	13	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	13	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	14	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	14	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	14	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	15	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	15	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	15	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	17	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	17	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	17	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG21	19	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG22	19	2.42
(2,3031)	1:143:A:ILE:HB	1:143:A:ILE:HG23	19	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	1	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	2	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	3	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	4	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	5	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	6	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	7	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	8	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	9	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	10	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	11	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	12	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	13	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	14	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	15	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	16	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	17	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	18	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	19	2.42
(2,2748)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	20	2.42
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	1	2.42
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	1	2.42
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	1	2.42
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	4	2.42
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	4	2.42
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	4	2.42
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	6	2.42
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	6	2.42
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	6	2.42
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	7	2.42
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	7	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	7	2.42
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	10	2.42
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	10	2.42
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	10	2.42
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	14	2.42
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	14	2.42
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	14	2.42
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	20	2.42
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	20	2.42
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	20	2.42
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	5	2.42
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	10	2.42
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	10	2.42
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	10	2.42
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	19	2.42
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	19	2.42
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	19	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	1	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	2	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	3	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	4	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	5	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	6	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	7	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	8	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	9	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	10	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	11	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	12	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	13	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	14	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	15	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	16	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	17	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	18	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	19	2.42
(2,1850)	1:119:A:SER:HB2	1:119:A:SER:HB3	20	2.42
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	11	2.42
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	20	2.42
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	20	2.42
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	2	2.42
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	6	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	9	2.42
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	20	2.42
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	20	2.42
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	20	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	4	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	4	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	4	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	16	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	16	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	16	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	18	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	18	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	18	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	19	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	19	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	19	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	20	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	20	2.42
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	20	2.42
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	5	2.42
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	5	2.42
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	5	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	3	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	3	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	3	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	4	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	4	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	4	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	5	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	5	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	5	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	16	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	16	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	16	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	18	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	18	2.42
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	18	2.42
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	2	2.42
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	7	2.42
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	7	2.42
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	7	2.42
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	17	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	17	2.42
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	17	2.42
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	12	2.42
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	12	2.42
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	12	2.42
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	18	2.42
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	18	2.42
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	18	2.42
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	19	2.42
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	19	2.42
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	19	2.42
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	3	2.42
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	3	2.42
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	3	2.42
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	6	2.42
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	6	2.42
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	6	2.42
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	8	2.42
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	8	2.42
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	8	2.42
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	14	2.42
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	14	2.42
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	14	2.42
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	17	2.42
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	17	2.42
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	17	2.42
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	18	2.42
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	18	2.42
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	18	2.42
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	19	2.42
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	19	2.42
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	19	2.42
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	4	2.42
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	4	2.42
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	4	2.42
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	8	2.42
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	8	2.42
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	8	2.42
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	9	2.42
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	9	2.42
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	9	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	3	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	3	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	3	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	11	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	11	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	11	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	17	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	17	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	17	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	18	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	18	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	18	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	20	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	20	2.42
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	20	2.42
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	11	2.42
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	11	2.42
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	11	2.42
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	12	2.42
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	12	2.42
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	12	2.42
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	18	2.42
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	18	2.42
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	18	2.42
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	4	2.42
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	3	2.42
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	5	2.42
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	19	2.42
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	4	2.42
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	4	2.42
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	4	2.42
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	16	2.42
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	16	2.42
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	16	2.42
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	20	2.42
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	20	2.42
(2,614)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	20	2.42
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	14	2.42
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	14	2.42
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	14	2.42
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	11	2.42
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	11	2.42
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	11	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	19	2.42
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	17	2.42
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	1	2.41
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	8	2.41
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	8	2.41
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	8	2.41
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	11	2.41
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	11	2.41
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	11	2.41
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	15	2.41
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	15	2.41
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	15	2.41
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	16	2.41
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	16	2.41
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	16	2.41
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	18	2.41
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	18	2.41
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	18	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	1	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	2	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	3	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	4	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	5	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	6	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	7	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	8	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	9	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	10	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	11	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	12	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	13	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	14	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	15	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	16	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	17	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	18	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	19	2.41
(2,2267)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	20	2.41
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	3	2.41
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	3	2.41
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	3	2.41
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	13	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	15	2.41
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	15	2.41
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	15	2.41
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	20	2.41
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	20	2.41
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	20	2.41
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	14	2.41
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	1	2.41
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	2	2.41
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	19	2.41
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	1	2.41
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	17	2.41
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	13	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	1	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	1	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	1	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	2	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	2	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	2	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	3	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	3	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	3	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	4	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	4	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	4	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	5	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	5	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	5	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	6	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	6	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	6	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	7	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	7	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	7	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	8	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	8	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	8	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	9	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	9	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	9	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	10	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	10	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	10	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	11	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	11	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	11	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	12	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	12	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	12	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	13	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	13	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	13	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	14	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	14	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	14	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	15	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	15	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	15	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	16	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	16	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	16	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	17	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	17	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	17	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	18	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	18	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	18	2.41
(2,1618)	1:128:A:THR:HG21	1:128:A:THR:HB	19	2.41
(2,1618)	1:128:A:THR:HG22	1:128:A:THR:HB	19	2.41
(2,1618)	1:128:A:THR:HG23	1:128:A:THR:HB	19	2.41
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	2	2.41
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	2	2.41
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	2	2.41
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	6	2.41
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	6	2.41
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	6	2.41
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	1	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	1	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	1	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	1	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	2	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	2	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	2	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	9	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	9	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	9	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	12	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	12	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	12	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	14	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	14	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	14	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	15	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	15	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	15	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	20	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	20	2.41
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	20	2.41
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	10	2.41
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	10	2.41
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	10	2.41
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	2	2.41
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	2	2.41
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	2	2.41
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	12	2.41
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	12	2.41
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	12	2.41
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	1	2.41
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	1	2.41
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	1	2.41
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	13	2.41
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	13	2.41
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	13	2.41
(2,1155)	1:118:A:LEU:HB3	1:119:A:SER:H	11	2.41
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	15	2.41
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	15	2.41
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	15	2.41
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	17	2.41
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	17	2.41
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	17	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	1	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	1	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	1	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	5	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	5	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	5	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	8	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	8	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	8	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	9	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	9	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	9	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	14	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	14	2.41
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	14	2.41
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	17	2.41
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	2	2.41
(2,694)	1:145:A:MET:HE1	1:145:A:MET:HB2	12	2.41
(2,694)	1:145:A:MET:HE2	1:145:A:MET:HB2	12	2.41
(2,694)	1:145:A:MET:HE3	1:145:A:MET:HB2	12	2.41
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	16	2.41
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	16	2.41
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	16	2.41
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	2	2.41
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	18	2.41
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	18	2.41
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	18	2.41
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	10	2.4
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	10	2.4
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	10	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	1	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	2	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	9	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	10	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	11	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	12	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	13	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	14	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	15	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	17	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	18	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	19	2.4
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	20	2.4
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	2	2.4
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	1	2.4
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	1	2.4
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	1	2.4
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	1	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	1	2.4
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	1	2.4
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	1	2.4
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	1	2.4
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	1	2.4
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	3	2.4
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	3	2.4
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	3	2.4
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	3	2.4
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	3	2.4
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	3	2.4
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	3	2.4
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	3	2.4
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	3	2.4
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	12	2.4
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	12	2.4
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	12	2.4
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	12	2.4
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	12	2.4
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	12	2.4
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	12	2.4
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	12	2.4
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	12	2.4
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	15	2.4
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	15	2.4
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	15	2.4
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	15	2.4
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	15	2.4
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	15	2.4
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	15	2.4
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	15	2.4
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	15	2.4
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	4	2.4
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	2	2.4
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	2	2.4
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	2	2.4
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	3	2.4
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	3	2.4
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	3	2.4
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	9	2.4
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	9	2.4
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	9	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	12	2.4
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	12	2.4
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	12	2.4
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	13	2.4
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	13	2.4
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	13	2.4
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	19	2.4
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	19	2.4
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	19	2.4
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	10	2.4
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	9	2.4
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	9	2.4
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	9	2.4
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	18	2.4
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	18	2.4
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	18	2.4
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	5	2.4
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	5	2.4
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	5	2.4
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	19	2.4
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	2	2.4
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	2	2.4
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	2	2.4
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	5	2.4
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	5	2.4
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	5	2.4
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	8	2.4
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	8	2.4
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	8	2.4
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	10	2.4
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	10	2.4
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	10	2.4
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	16	2.4
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	16	2.4
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	16	2.4
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	17	2.4
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	17	2.4
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	17	2.4
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	14	2.4
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	16	2.4
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	3	2.4
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	13	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	3	2.4
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	4	2.4
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	2	2.4
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	3	2.4
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	5	2.4
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	8	2.4
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	15	2.4
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	16	2.4
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	8	2.4
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	10	2.4
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	15	2.4
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	16	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	1	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	1	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	1	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	5	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	5	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	5	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	7	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	7	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	7	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	8	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	8	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	8	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	9	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	9	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	9	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	10	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	10	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	10	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	13	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	13	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	13	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	14	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	14	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	14	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	15	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	15	2.4
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	15	2.4
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	1	2.4
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	1	2.4
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	1	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	6	2.4
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	7	2.4
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	13	2.4
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	13	2.4
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	13	2.4
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	6	2.4
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	2	2.4
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	2	2.4
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	2	2.4
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	5	2.4
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	19	2.4
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	6	2.4
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	6	2.4
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	6	2.4
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	11	2.4
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	11	2.4
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	11	2.4
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	14	2.4
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	14	2.4
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	14	2.4
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	7	2.4
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	7	2.4
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	7	2.4
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	8	2.4
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	8	2.4
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	8	2.4
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	14	2.4
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	14	2.4
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	14	2.4
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	3	2.4
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	3	2.4
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	3	2.4
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	4	2.4
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	4	2.4
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	6	2.4
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	6	2.4
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	8	2.4
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	8	2.4
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	14	2.4
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	14	2.4
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	4	2.4
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	4	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	4	2.4
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	6	2.4
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	6	2.4
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	6	2.4
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	10	2.4
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	10	2.4
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	10	2.4
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	6	2.4
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	6	2.4
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	6	2.4
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	12	2.4
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	4	2.4
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	7	2.4
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	8	2.4
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	14	2.4
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	15	2.4
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	8	2.4
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	12	2.4
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	12	2.4
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	12	2.4
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	4	2.4
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	4	2.4
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	4	2.4
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	16	2.4
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	16	2.4
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	16	2.4
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	6	2.4
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	1	2.4
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	2	2.4
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	9	2.4
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	13	2.4
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	18	2.4
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	20	2.4
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	20	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	1	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	1	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	1	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	2	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	2	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	2	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	3	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	3	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	3	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	4	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	4	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	4	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	5	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	5	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	5	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	6	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	6	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	6	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	7	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	7	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	7	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	8	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	8	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	8	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	9	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	9	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	9	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	10	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	10	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	10	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	12	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	12	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	12	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	13	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	13	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	13	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	14	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	14	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	14	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	15	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	15	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	15	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	16	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	16	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	16	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	17	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	17	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	17	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	19	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	19	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	19	2.4
(2,15)	1:138:A:VAL:HG11	1:138:A:VAL:HB	20	2.4
(2,15)	1:138:A:VAL:HG12	1:138:A:VAL:HB	20	2.4
(2,15)	1:138:A:VAL:HG13	1:138:A:VAL:HB	20	2.4
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	8	2.39
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	8	2.39
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	8	2.39
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	3	2.39
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	4	2.39
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	5	2.39
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	6	2.39
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	7	2.39
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	8	2.39
(2,3129)	1:119:A:SER:HB2	1:119:A:SER:HB3	16	2.39
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	15	2.39
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	15	2.39
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	15	2.39
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	14	2.39
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	14	2.39
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	14	2.39
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	14	2.39
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	14	2.39
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	14	2.39
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	14	2.39
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	14	2.39
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	14	2.39
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	19	2.39
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	1	2.39
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	1	2.39
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	1	2.39
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	5	2.39
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	5	2.39
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	5	2.39
(2,2656)	1:165:A:ILE:HD11	1:165:A:ILE:HB	17	2.39
(2,2656)	1:165:A:ILE:HD12	1:165:A:ILE:HB	17	2.39
(2,2656)	1:165:A:ILE:HD13	1:165:A:ILE:HB	17	2.39
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	11	2.39
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	6	2.39
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	6	2.39
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	6	2.39
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	6	2.39
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	6	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	6	2.39
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	12	2.39
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	12	2.39
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	12	2.39
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	13	2.39
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	13	2.39
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	13	2.39
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	12	2.39
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	3	2.39
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	3	2.39
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	3	2.39
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	6	2.39
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	6	2.39
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	6	2.39
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	14	2.39
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	14	2.39
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	14	2.39
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	10	2.39
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	9	2.39
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	6	2.39
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	11	2.39
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	12	2.39
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	13	2.39
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	16	2.39
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	18	2.39
(2,1698)	1:144:A:ARG:HA	1:144:A:ARG:HB3	19	2.39
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	13	2.39
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	3	2.39
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	3	2.39
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	3	2.39
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG21	11	2.39
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG22	11	2.39
(2,1586)	1:150:A:VAL:HA	1:150:A:VAL:HG23	11	2.39
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	18	2.39
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	15	2.39
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	15	2.39
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	15	2.39
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	10	2.39
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	10	2.39
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	10	2.39
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	10	2.39
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	19	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	19	2.39
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	19	2.39
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	1	2.39
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	1	2.39
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	1	2.39
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	20	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	1	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	2	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	3	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	4	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	6	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	7	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	8	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	9	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	10	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	11	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	12	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	13	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	14	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	15	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	16	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	17	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	18	2.39
(2,1389)	1:98:A:PHE:HB2	1:98:A:PHE:HB3	20	2.39
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	1	2.39
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	1	2.39
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	1	2.39
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	3	2.39
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	3	2.39
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	3	2.39
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	7	2.39
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	7	2.39
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	7	2.39
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	13	2.39
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	13	2.39
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	13	2.39
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	16	2.39
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	16	2.39
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	16	2.39
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	18	2.39
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	18	2.39
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	18	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	19	2.39
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	19	2.39
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	19	2.39
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	20	2.39
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	20	2.39
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	20	2.39
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	9	2.39
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	9	2.39
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	9	2.39
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	2	2.39
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	2	2.39
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	5	2.39
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	5	2.39
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	7	2.39
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	7	2.39
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	19	2.39
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	19	2.39
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	19	2.39
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	7	2.39
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	7	2.39
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	7	2.39
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	10	2.39
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	10	2.39
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	10	2.39
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	15	2.39
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	15	2.39
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	15	2.39
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	16	2.39
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	16	2.39
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	16	2.39
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	5	2.39
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	5	2.39
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	5	2.39
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	5	2.39
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	15	2.39
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	11	2.39
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	20	2.39
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	3	2.39
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	11	2.39
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	14	2.39
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	19	2.39
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	19	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	19	2.39
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	8	2.39
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	8	2.39
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	8	2.39
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	16	2.39
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	16	2.39
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	16	2.39
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	12	2.39
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	12	2.39
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	12	2.39
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	14	2.39
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	13	2.39
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	13	2.39
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	13	2.39
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	20	2.39
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	20	2.39
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	20	2.39
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	3	2.39
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	6	2.39
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	7	2.39
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	8	2.39
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	10	2.39
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	14	2.39
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	15	2.39
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	19	2.39
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	5	2.39
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	6	2.38
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	6	2.38
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	6	2.38
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	7	2.38
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	7	2.38
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	7	2.38
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	18	2.38
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	18	2.38
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	18	2.38
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	17	2.38
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	1	2.38
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	3	2.38
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	13	2.38
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	10	2.38
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	10	2.38
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	10	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	10	2.38
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	10	2.38
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	10	2.38
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	10	2.38
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	10	2.38
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	10	2.38
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	18	2.38
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	18	2.38
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	18	2.38
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	18	2.38
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	18	2.38
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	18	2.38
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	18	2.38
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	18	2.38
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	18	2.38
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	11	2.38
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	11	2.38
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	11	2.38
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	2	2.38
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	2	2.38
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	2	2.38
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	20	2.38
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	5	2.38
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	5	2.38
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	5	2.38
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	16	2.38
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	16	2.38
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	16	2.38
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	20	2.38
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	20	2.38
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	20	2.38
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	9	2.38
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	9	2.38
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	9	2.38
(2,1892)	1:48:A:ILE:HD11	1:48:A:ILE:HA	18	2.38
(2,1892)	1:48:A:ILE:HD12	1:48:A:ILE:HA	18	2.38
(2,1892)	1:48:A:ILE:HD13	1:48:A:ILE:HA	18	2.38
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	7	2.38
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	10	2.38
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	11	2.38
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	11	2.38
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	11	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	2	2.38
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	18	2.38
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	10	2.38
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	16	2.38
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	18	2.38
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	20	2.38
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	12	2.38
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	4	2.38
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	4	2.38
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	4	2.38
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	3	2.38
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	8	2.38
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	18	2.38
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	18	2.38
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	18	2.38
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	13	2.38
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	4	2.38
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	4	2.38
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	4	2.38
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	5	2.38
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	5	2.38
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	5	2.38
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	8	2.38
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	8	2.38
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	8	2.38
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	9	2.38
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	9	2.38
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	9	2.38
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	15	2.38
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	15	2.38
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	15	2.38
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	17	2.38
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	17	2.38
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	17	2.38
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	9	2.38
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	9	2.38
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	11	2.38
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	11	2.38
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	13	2.38
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	13	2.38
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	19	2.38
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	19	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1150)	1:18:A:ILE:HG21	1:18:A:ILE:HG12	11	2.38
(2,1150)	1:18:A:ILE:HG22	1:18:A:ILE:HG12	11	2.38
(2,1150)	1:18:A:ILE:HG23	1:18:A:ILE:HG12	11	2.38
(2,1116)	1:84:A:ILE:HD11	1:68:A:LYS:HB3	10	2.38
(2,1116)	1:84:A:ILE:HD12	1:68:A:LYS:HB3	10	2.38
(2,1116)	1:84:A:ILE:HD13	1:68:A:LYS:HB3	10	2.38
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	12	2.38
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	12	2.38
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	12	2.38
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	19	2.38
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	19	2.38
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	19	2.38
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	6	2.38
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	6	2.38
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	6	2.38
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	4	2.38
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	4	2.38
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	4	2.38
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	19	2.38
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	6	2.38
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	9	2.38
(2,709)	1:73:A:SER:HB3	1:73:A:SER:HA	16	2.38
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	4	2.38
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	9	2.38
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	17	2.38
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	13	2.38
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	13	2.38
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	13	2.38
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	18	2.38
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	18	2.38
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	18	2.38
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	20	2.38
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	20	2.38
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	20	2.38
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	20	2.38
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	20	2.38
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	20	2.38
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	17	2.38
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	17	2.38
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	17	2.38
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	5	2.38
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	9	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	12	2.38
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	17	2.38
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	1	2.37
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	1	2.37
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	1	2.37
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	4	2.37
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	4	2.37
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	4	2.37
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	5	2.37
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	5	2.37
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	5	2.37
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	13	2.37
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	13	2.37
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	13	2.37
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	19	2.37
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	19	2.37
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	19	2.37
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	11	2.37
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	11	2.37
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	11	2.37
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	6	2.37
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	6	2.37
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	6	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	2	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	4	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	5	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	6	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	7	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	8	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	9	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	10	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	11	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	12	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	14	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	15	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	16	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	17	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	18	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	19	2.37
(2,2879)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	20	2.37
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	20	2.37
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	4	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	4	2.37
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	4	2.37
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	4	2.37
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	4	2.37
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	4	2.37
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	4	2.37
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	4	2.37
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	4	2.37
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	6	2.37
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	6	2.37
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	6	2.37
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	6	2.37
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	6	2.37
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	6	2.37
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	6	2.37
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	6	2.37
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	6	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	1	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	1	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	1	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	1	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	1	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	1	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	1	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	1	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	1	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	2	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	2	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	2	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	2	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	2	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	2	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	2	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	2	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	2	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	3	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	3	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	3	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	3	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	3	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	3	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	3	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	3	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	3	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	5	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	5	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	5	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	5	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	5	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	5	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	5	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	5	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	5	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	6	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	6	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	6	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	6	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	6	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	6	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	6	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	6	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	6	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	7	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	7	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	7	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	7	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	7	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	7	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	7	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	7	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	7	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	8	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	8	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	8	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	8	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	8	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	8	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	8	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	8	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	8	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	9	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	9	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	9	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	9	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	9	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	9	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	9	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	9	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	9	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	10	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	10	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	10	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	10	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	10	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	10	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	10	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	10	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	10	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	11	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	11	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	11	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	11	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	11	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	11	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	11	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	11	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	11	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	12	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	12	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	12	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	12	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	12	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	12	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	12	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	12	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	12	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	13	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	13	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	13	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	13	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	13	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	13	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	13	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	13	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	13	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	14	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	14	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	14	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	14	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	14	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	14	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	14	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	14	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	14	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	15	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	15	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	15	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	15	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	15	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	15	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	15	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	15	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	15	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	19	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	19	2.37
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	19	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	19	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	19	2.37
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	19	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	19	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	19	2.37
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	19	2.37
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	8	2.37
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	6	2.37
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	6	2.37
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	6	2.37
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	6	2.37
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	6	2.37
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	6	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	1	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	2	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	4	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	5	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	6	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	7	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	8	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	9	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	11	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	12	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	13	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	14	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	17	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	18	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	19	2.37
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	20	2.37
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	8	2.37
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	3	2.37
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	7	2.37
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	13	2.37
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	17	2.37
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	8	2.37
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	17	2.37
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD11	17	2.37
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD12	17	2.37
(2,1509)	1:100:A:ILE:HB	1:100:A:ILE:HD13	17	2.37
(2,1335)	1:84:A:ILE:HD11	1:84:A:ILE:HB	10	2.37
(2,1335)	1:84:A:ILE:HD12	1:84:A:ILE:HB	10	2.37
(2,1335)	1:84:A:ILE:HD13	1:84:A:ILE:HB	10	2.37
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	12	2.37
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	12	2.37
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	15	2.37
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	15	2.37
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	16	2.37
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	16	2.37
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	17	2.37
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	17	2.37
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	20	2.37
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	20	2.37
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG21	2	2.37
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG22	2	2.37
(2,1046)	1:134:A:ILE:HA	1:134:A:ILE:HG23	2	2.37
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	6	2.37
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	6	2.37
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	6	2.37
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	8	2.37
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	17	2.37
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	17	2.37
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	17	2.37
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	4	2.37
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	4	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	4	2.37
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	6	2.37
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	6	2.37
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	6	2.37
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	15	2.37
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	15	2.37
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	15	2.37
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	8	2.37
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	19	2.37
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	10	2.36
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	10	2.36
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	10	2.36
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	10	2.36
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	10	2.36
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	10	2.36
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	10	2.36
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	10	2.36
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	10	2.36
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	2	2.36
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	3	2.36
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	9	2.36
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	9	2.36
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	9	2.36
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	9	2.36
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	9	2.36
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	9	2.36
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	9	2.36
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	9	2.36
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	9	2.36
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	17	2.36
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	17	2.36
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	17	2.36
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	17	2.36
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	17	2.36
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	17	2.36
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	17	2.36
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	17	2.36
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	17	2.36
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	18	2.36
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	18	2.36
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	18	2.36
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	18	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	18	2.36
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	18	2.36
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	18	2.36
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	18	2.36
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	18	2.36
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	16	2.36
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	16	2.36
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	16	2.36
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	16	2.36
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	16	2.36
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	16	2.36
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	16	2.36
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	16	2.36
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	16	2.36
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	17	2.36
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	17	2.36
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	17	2.36
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	17	2.36
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	17	2.36
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	17	2.36
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	17	2.36
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	17	2.36
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	17	2.36
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	20	2.36
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	20	2.36
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	20	2.36
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	20	2.36
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	20	2.36
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	20	2.36
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	20	2.36
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	20	2.36
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	20	2.36
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	1	2.36
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	19	2.36
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	19	2.36
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	19	2.36
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	19	2.36
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	19	2.36
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	19	2.36
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	19	2.36
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	19	2.36
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	19	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	3	2.36
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	3	2.36
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	3	2.36
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	5	2.36
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	5	2.36
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	5	2.36
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	14	2.36
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	14	2.36
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	14	2.36
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	15	2.36
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	15	2.36
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	15	2.36
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	17	2.36
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	17	2.36
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	17	2.36
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	15	2.36
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	4	2.36
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	4	2.36
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	4	2.36
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	16	2.36
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	16	2.36
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	16	2.36
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	20	2.36
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	20	2.36
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	20	2.36
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	17	2.36
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	17	2.36
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	17	2.36
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	18	2.36
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	18	2.36
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	18	2.36
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	1	2.36
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	15	2.36
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	3	2.36
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	10	2.36
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	15	2.36
(2,2028)	1:18:A:ILE:HG12	1:18:A:ILE:HG13	16	2.36
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	16	2.36
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	13	2.36
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	3	2.36
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	18	2.36
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	2	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	17	2.36
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	18	2.36
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	19	2.36
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	19	2.36
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	8	2.36
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	15	2.36
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	11	2.36
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	9	2.36
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	13	2.36
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	10	2.36
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	10	2.36
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	10	2.36
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	10	2.36
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	10	2.36
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	10	2.36
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	10	2.36
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	10	2.36
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	10	2.36
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	1	2.36
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	1	2.36
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	10	2.36
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	10	2.36
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	18	2.36
(2,1211)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	18	2.36
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	1	2.36
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	2	2.36
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	4	2.36
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	5	2.36
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	7	2.36
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	11	2.36
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	15	2.36
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	16	2.36
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	18	2.36
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	19	2.36
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	20	2.36
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	4	2.36
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	4	2.36
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	4	2.36
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	11	2.36
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	11	2.36
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	11	2.36
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	12	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	12	2.36
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	12	2.36
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	3	2.36
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	3	2.36
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	3	2.36
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	15	2.36
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	2	2.36
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	2	2.36
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	2	2.36
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	3	2.36
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	3	2.36
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	3	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	5	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	5	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	5	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	7	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	7	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	7	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	9	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	9	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	9	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	10	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	10	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	10	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	11	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	11	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	11	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	13	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	13	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	13	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	19	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	19	2.36
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	19	2.36
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	11	2.36
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	11	2.36
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	11	2.36
(2,120)	1:124:A:GLY:HA3	1:124:A:GLY:H	4	2.36
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	12	2.35
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	12	2.35
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	12	2.35
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	17	2.35
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	17	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	17	2.35
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	1	2.35
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	6	2.35
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	9	2.35
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	11	2.35
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	15	2.35
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	8	2.35
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	8	2.35
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	8	2.35
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	8	2.35
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	8	2.35
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	8	2.35
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	8	2.35
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	8	2.35
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	8	2.35
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	14	2.35
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	14	2.35
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	14	2.35
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	14	2.35
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	14	2.35
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	14	2.35
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	14	2.35
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	14	2.35
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	14	2.35
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	11	2.35
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	11	2.35
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	11	2.35
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG21	4	2.35
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG22	4	2.35
(2,2675)	1:150:A:VAL:HG11	1:150:A:VAL:HG23	4	2.35
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG21	4	2.35
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG22	4	2.35
(2,2675)	1:150:A:VAL:HG12	1:150:A:VAL:HG23	4	2.35
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG21	4	2.35
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG22	4	2.35
(2,2675)	1:150:A:VAL:HG13	1:150:A:VAL:HG23	4	2.35
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	9	2.35
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	14	2.35
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	17	2.35
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	17	2.35
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	17	2.35
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	17	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	17	2.35
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	17	2.35
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	17	2.35
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	17	2.35
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	17	2.35
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	4	2.35
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	3	2.35
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	3	2.35
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	3	2.35
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	6	2.35
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	6	2.35
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	6	2.35
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	4	2.35
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	4	2.35
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	4	2.35
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	4	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	9	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	9	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	9	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	10	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	10	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	10	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	11	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	11	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	11	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	16	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	16	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	16	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	19	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	19	2.35
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	19	2.35
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	11	2.35
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	11	2.35
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	11	2.35
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	12	2.35
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	12	2.35
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	12	2.35
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	18	2.35
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	18	2.35
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	18	2.35
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	2	2.35
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	14	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	17	2.35
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	8	2.35
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	5	2.35
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	14	2.35
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	2	2.35
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	10	2.35
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	11	2.35
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	20	2.35
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	2	2.35
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	5	2.35
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	6	2.35
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	12	2.35
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	4	2.35
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	4	2.35
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	4	2.35
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	4	2.35
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	4	2.35
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	4	2.35
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	4	2.35
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	4	2.35
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	4	2.35
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	8	2.35
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	8	2.35
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	8	2.35
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	8	2.35
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	8	2.35
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	8	2.35
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	8	2.35
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	8	2.35
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	8	2.35
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	11	2.35
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	11	2.35
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	11	2.35
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	19	2.35
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	19	2.35
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	19	2.35
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	3	2.35
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	3	2.35
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	3	2.35
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	3	2.35
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	6	2.35
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	8	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	9	2.35
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	10	2.35
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	12	2.35
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	13	2.35
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	14	2.35
(2,970)	1:123:A:TYR:HB2	1:123:A:TYR:HB3	17	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	1	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	1	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	1	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	2	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	2	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	2	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	3	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	3	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	3	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	5	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	5	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	5	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	6	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	6	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	6	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	7	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	7	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	7	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	8	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	8	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	8	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	9	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	9	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	9	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	10	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	10	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	10	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	13	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	13	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	13	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	14	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	14	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	14	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	15	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	15	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	15	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	16	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	16	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	16	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	17	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	17	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	17	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	18	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	18	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	18	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	19	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	19	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	19	2.35
(2,783)	1:18:A:ILE:HG21	1:18:A:ILE:HB	20	2.35
(2,783)	1:18:A:ILE:HG22	1:18:A:ILE:HB	20	2.35
(2,783)	1:18:A:ILE:HG23	1:18:A:ILE:HB	20	2.35
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	14	2.35
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	6	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	1	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	1	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	1	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	2	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	2	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	2	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	3	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	3	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	3	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	14	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	14	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	14	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	18	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	18	2.35
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	18	2.35
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	11	2.35
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	9	2.34
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	9	2.34
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	9	2.34
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	16	2.34
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	16	2.34
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	16	2.34
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	10	2.34
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	11	2.34
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	15	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	15	2.34
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	15	2.34
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	4	2.34
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	7	2.34
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	8	2.34
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	10	2.34
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	13	2.34
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	14	2.34
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	16	2.34
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	3	2.34
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	3	2.34
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	3	2.34
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	3	2.34
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	3	2.34
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	3	2.34
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	3	2.34
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	3	2.34
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	3	2.34
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	10	2.34
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	10	2.34
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	10	2.34
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	10	2.34
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	10	2.34
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	10	2.34
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	10	2.34
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	10	2.34
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	10	2.34
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	6	2.34
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	6	2.34
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	6	2.34
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	2	2.34
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	2	2.34
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	2	2.34
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	4	2.34
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	4	2.34
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	4	2.34
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	8	2.34
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	8	2.34
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	8	2.34
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	12	2.34
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	12	2.34
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	12	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	16	2.34
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	16	2.34
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	16	2.34
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	1	2.34
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	15	2.34
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	3	2.34
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	19	2.34
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	7	2.34
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	7	2.34
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	7	2.34
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	8	2.34
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	8	2.34
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	8	2.34
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	12	2.34
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	12	2.34
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	12	2.34
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	14	2.34
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	14	2.34
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	14	2.34
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	19	2.34
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	20	2.34
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	8	2.34
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	8	2.34
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	8	2.34
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	15	2.34
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	15	2.34
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	15	2.34
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	14	2.34
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	4	2.34
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	9	2.34
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	11	2.34
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	2	2.34
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	3	2.34
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	11	2.34
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	19	2.34
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	16	2.34
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	12	2.34
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	1	2.34
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	9	2.34
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	12	2.34
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	14	2.34
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	18	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	18	2.34
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	18	2.34
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	1	2.34
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	1	2.34
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	1	2.34
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	9	2.34
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	9	2.34
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	9	2.34
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	12	2.34
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	12	2.34
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	12	2.34
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	19	2.34
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	19	2.34
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	19	2.34
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	13	2.34
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	13	2.34
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	13	2.34
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	2	2.34
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	2	2.34
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	2	2.34
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	2	2.34
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	2	2.34
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	2	2.34
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	2	2.34
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	2	2.34
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	2	2.34
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	5	2.34
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	5	2.34
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	5	2.34
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	5	2.34
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	5	2.34
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	5	2.34
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	5	2.34
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	5	2.34
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	5	2.34
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	17	2.34
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	17	2.34
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	17	2.34
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	17	2.34
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	17	2.34
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	17	2.34
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	17	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	17	2.34
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	17	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	1	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	1	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	1	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	2	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	2	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	2	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	3	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	3	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	3	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	4	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	4	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	4	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	5	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	5	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	5	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	6	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	6	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	6	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	7	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	7	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	7	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	8	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	8	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	8	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	9	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	9	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	9	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	10	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	10	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	10	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	12	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	12	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	12	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	13	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	13	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	13	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	14	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	14	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	14	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	15	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	15	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	15	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	16	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	16	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	16	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	17	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	17	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	17	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	18	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	18	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	18	2.34
(2,1280)	1:150:A:VAL:HG11	1:150:A:VAL:HB	20	2.34
(2,1280)	1:150:A:VAL:HG12	1:150:A:VAL:HB	20	2.34
(2,1280)	1:150:A:VAL:HG13	1:150:A:VAL:HB	20	2.34
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	4	2.34
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	4	2.34
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	20	2.34
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	20	2.34
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	20	2.34
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	15	2.34
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	15	2.34
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	15	2.34
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	2	2.34
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	2	2.34
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	2	2.34
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	8	2.34
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	8	2.34
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	8	2.34
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	1	2.34
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	2	2.34
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	16	2.34
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	20	2.34
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	9	2.34
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	9	2.34
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	9	2.34
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	5	2.34
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	11	2.34
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	7	2.34
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	10	2.34
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	13	2.34
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	2	2.33
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	2	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	2	2.33
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	3	2.33
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	3	2.33
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	3	2.33
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	13	2.33
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	5	2.33
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	13	2.33
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	13	2.33
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	13	2.33
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	13	2.33
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	13	2.33
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	13	2.33
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	13	2.33
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	13	2.33
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	13	2.33
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	19	2.33
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	19	2.33
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	19	2.33
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	19	2.33
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	19	2.33
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	19	2.33
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	19	2.33
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	19	2.33
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	19	2.33
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	20	2.33
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	20	2.33
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	20	2.33
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	20	2.33
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	20	2.33
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	20	2.33
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	20	2.33
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	20	2.33
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	20	2.33
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	5	2.33
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	9	2.33
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	16	2.33
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	18	2.33
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	9	2.33
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	9	2.33
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	9	2.33
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	9	2.33
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	9	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	9	2.33
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	9	2.33
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	9	2.33
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	9	2.33
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	13	2.33
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	13	2.33
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	13	2.33
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	7	2.33
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	1	2.33
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	12	2.33
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	1	2.33
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	1	2.33
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	1	2.33
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	15	2.33
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	15	2.33
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	15	2.33
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	18	2.33
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	18	2.33
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	18	2.33
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	20	2.33
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	20	2.33
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	20	2.33
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	16	2.33
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	17	2.33
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	7	2.33
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	7	2.33
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	7	2.33
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	14	2.33
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	14	2.33
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	14	2.33
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	15	2.33
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	15	2.33
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	15	2.33
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	4	2.33
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	4	2.33
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	4	2.33
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	3	2.33
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	12	2.33
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	11	2.33
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	6	2.33
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	13	2.33
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	1	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	5	2.33
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	5	2.33
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	5	2.33
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	6	2.33
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	6	2.33
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	6	2.33
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	7	2.33
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	7	2.33
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	7	2.33
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	8	2.33
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	8	2.33
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	8	2.33
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	11	2.33
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	11	2.33
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	11	2.33
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	13	2.33
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	13	2.33
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	13	2.33
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	17	2.33
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	17	2.33
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	17	2.33
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	18	2.33
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	18	2.33
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	18	2.33
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	20	2.33
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	20	2.33
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	20	2.33
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	2	2.33
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	8	2.33
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	8	2.33
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	8	2.33
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	19	2.33
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	19	2.33
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	19	2.33
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	3	2.33
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	17	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	3	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	3	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	3	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	3	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	3	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	3	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	3	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	3	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	3	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	6	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	6	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	6	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	6	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	6	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	6	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	6	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	6	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	6	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	9	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	9	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	9	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	9	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	9	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	9	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	9	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	9	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	9	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	11	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	11	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	11	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	11	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	11	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	11	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	11	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	11	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	11	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	13	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	13	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	13	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	13	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	13	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	13	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	13	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	13	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	13	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	14	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	14	2.33
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	14	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	14	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	14	2.33
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	14	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	14	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	14	2.33
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	14	2.33
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	2	2.33
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	2	2.33
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	5	2.33
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	5	2.33
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	6	2.33
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	6	2.33
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	8	2.33
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	8	2.33
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	14	2.33
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	14	2.33
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	15	2.33
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	15	2.33
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	16	2.33
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD21	1	2.33
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD22	1	2.33
(2,763)	1:36:A:LEU:HA	1:36:A:LEU:HD23	1	2.33
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	5	2.33
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	5	2.33
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	5	2.33
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	15	2.33
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	15	2.33
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	15	2.33
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	20	2.33
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	20	2.33
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	20	2.33
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	5	2.33
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	7	2.33
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	7	2.33
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	7	2.33
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	8	2.33
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	8	2.33
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	8	2.33
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	20	2.33
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	19	2.33
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	19	2.33
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	19	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	16	2.33
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	18	2.33
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	11	2.32
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	11	2.32
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	11	2.32
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	15	2.32
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	15	2.32
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	15	2.32
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	5	2.32
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	5	2.32
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	14	2.32
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	14	2.32
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	17	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	1	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	1	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	1	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	3	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	3	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	3	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	4	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	4	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	4	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	5	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	5	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	5	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	6	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	6	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	6	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	7	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	7	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	7	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	9	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	9	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	9	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	10	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	10	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	10	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	12	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	12	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	12	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	13	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	13	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	13	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	14	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	14	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	14	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	15	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	15	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	15	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	16	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	16	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	16	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	17	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	17	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	17	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	18	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	18	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	18	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	19	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	19	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	19	2.32
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	20	2.32
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	20	2.32
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	20	2.32
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	6	2.32
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	6	2.32
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	6	2.32
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	6	2.32
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	6	2.32
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	6	2.32
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	6	2.32
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	6	2.32
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	6	2.32
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	13	2.32
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	13	2.32
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	13	2.32
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	13	2.32
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	13	2.32
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	13	2.32
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	13	2.32
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	13	2.32
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	13	2.32
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	15	2.32
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	15	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	15	2.32
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	15	2.32
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	15	2.32
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	15	2.32
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	15	2.32
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	15	2.32
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	15	2.32
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	10	2.32
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	10	2.32
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	10	2.32
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	1	2.32
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	1	2.32
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	1	2.32
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	19	2.32
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	19	2.32
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	19	2.32
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	20	2.32
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	20	2.32
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	20	2.32
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	20	2.32
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	5	2.32
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	5	2.32
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	5	2.32
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	16	2.32
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	16	2.32
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	16	2.32
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	3	2.32
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	11	2.32
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	1	2.32
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	1	2.32
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	1	2.32
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	4	2.32
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	4	2.32
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	4	2.32
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD11	20	2.32
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD12	20	2.32
(2,2262)	1:65:A:ILE:HA	1:65:A:ILE:HD13	20	2.32
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	3	2.32
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	1	2.32
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	1	2.32
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	1	2.32
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	10	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	10	2.32
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	10	2.32
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	13	2.32
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	13	2.32
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	13	2.32
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	7	2.32
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	9	2.32
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	17	2.32
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	1	2.32
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	15	2.32
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	11	2.32
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	4	2.32
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	13	2.32
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	3	2.32
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	4	2.32
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	11	2.32
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	16	2.32
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	17	2.32
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	2	2.32
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	2	2.32
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	2	2.32
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	3	2.32
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	3	2.32
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	3	2.32
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	4	2.32
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	4	2.32
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	4	2.32
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	10	2.32
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	10	2.32
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	10	2.32
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	14	2.32
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	14	2.32
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	14	2.32
(2,1580)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	16	2.32
(2,1580)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	16	2.32
(2,1580)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	16	2.32
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	14	2.32
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	17	2.32
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	10	2.32
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	14	2.32
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	1	2.32
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	6	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	4	2.32
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	19	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	1	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	1	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	3	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	3	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	4	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	4	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	7	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	7	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	9	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	9	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	10	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	10	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	12	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	12	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	13	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	13	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	16	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	16	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	17	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	17	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	18	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	18	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	19	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	19	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	20	2.32
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	20	2.32
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	9	2.32
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	9	2.32
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	9	2.32
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	13	2.32
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	13	2.32
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	13	2.32
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	17	2.32
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	17	2.32
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	17	2.32
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	19	2.32
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	19	2.32
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	19	2.32
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	10	2.32
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	10	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	10	2.32
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	11	2.32
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	11	2.32
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	11	2.32
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	7	2.32
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	7	2.32
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	7	2.32
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	6	2.32
(2,714)	1:116:A:LEU:HB2	1:116:A:LEU:H	16	2.32
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	4	2.32
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	4	2.32
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	4	2.32
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	15	2.32
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	10	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	1	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	1	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	1	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	4	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	4	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	4	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	6	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	6	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	6	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	7	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	7	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	7	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	9	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	9	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	9	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	10	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	10	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	10	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	13	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	13	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	13	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	18	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	18	2.32
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	18	2.32
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	16	2.32
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	3	2.32
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	7	2.32
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	7	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	7	2.32
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	10	2.32
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	10	2.32
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	10	2.32
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	11	2.32
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	11	2.32
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	11	2.32
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	12	2.32
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	12	2.32
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	12	2.32
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	13	2.32
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	13	2.32
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	13	2.32
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	14	2.32
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	14	2.32
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	14	2.32
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	14	2.31
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	14	2.31
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	14	2.31
(4,906)	1:74:A:LEU:HD21	1:75:A:ASN:H	20	2.31
(4,906)	1:74:A:LEU:HD22	1:75:A:ASN:H	20	2.31
(4,906)	1:74:A:LEU:HD23	1:75:A:ASN:H	20	2.31
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	2	2.31
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	2	2.31
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	2	2.31
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	7	2.31
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	7	2.31
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	7	2.31
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	7	2.31
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	7	2.31
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	7	2.31
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	7	2.31
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	7	2.31
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	7	2.31
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	2	2.31
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	2	2.31
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	2	2.31
(2,2676)	1:138:A:VAL:HG11	1:138:A:VAL:HB	8	2.31
(2,2676)	1:138:A:VAL:HG12	1:138:A:VAL:HB	8	2.31
(2,2676)	1:138:A:VAL:HG13	1:138:A:VAL:HB	8	2.31
(2,2627)	1:126:A:HIS:HB3	1:115:A:TRP:HA	13	2.31
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	1	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	1	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	1	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	1	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	1	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	1	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	1	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	1	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	1	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	1	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	1	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	2	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	2	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	2	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	2	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	2	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	2	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	2	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	2	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	2	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	4	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	4	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	4	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	4	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	4	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	4	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	4	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	4	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	4	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	5	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	5	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	5	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	5	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	5	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	5	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	5	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	5	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	5	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	7	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	7	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	7	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	7	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	7	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	7	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	7	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	7	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	7	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	8	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	8	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	8	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	8	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	8	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	8	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	8	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	8	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	8	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	12	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	12	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	12	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	12	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	12	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	12	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	12	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	12	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	12	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	14	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	14	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	14	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	14	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	14	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	14	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	14	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	14	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	14	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	20	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	20	2.31
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	20	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	20	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	20	2.31
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	20	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	20	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	20	2.31
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	20	2.31
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	2	2.31
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	2	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	2	2.31
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	7	2.31
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	7	2.31
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	7	2.31
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	7	2.31
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	7	2.31
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	7	2.31
(2,2370)	1:19:A:ALA:HB1	1:24:A:ILE:HG12	11	2.31
(2,2370)	1:19:A:ALA:HB2	1:24:A:ILE:HG12	11	2.31
(2,2370)	1:19:A:ALA:HB3	1:24:A:ILE:HG12	11	2.31
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	5	2.31
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	19	2.31
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	7	2.31
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	18	2.31
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	2	2.31
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	2	2.31
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	2	2.31
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	5	2.31
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	6	2.31
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	7	2.31
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	12	2.31
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	15	2.31
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	6	2.31
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	6	2.31
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	6	2.31
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	3	2.31
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	3	2.31
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	3	2.31
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	7	2.31
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	7	2.31
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	7	2.31
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	13	2.31
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	13	2.31
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	13	2.31
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	2	2.31
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	8	2.31
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	11	2.31
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	8	2.31
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	9	2.31
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	20	2.31
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	7	2.31
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	18	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	7	2.31
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	14	2.31
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	20	2.31
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	9	2.31
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	12	2.31
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	20	2.31
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	14	2.31
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	14	2.31
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	18	2.31
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	18	2.31
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	15	2.31
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	11	2.31
(2,1008)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	11	2.31
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	11	2.31
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	11	2.31
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	11	2.31
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	11	2.31
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	11	2.31
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	11	2.31
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	11	2.31
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	11	2.31
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	11	2.31
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	11	2.31
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	11	2.31
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	11	2.31
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	1	2.31
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	1	2.31
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	1	2.31
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	2	2.31
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	2	2.31
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	2	2.31
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	4	2.31
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	4	2.31
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	4	2.31
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	5	2.31
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	5	2.31
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	5	2.31
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	6	2.31
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	6	2.31
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	6	2.31
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	7	2.31
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	7	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	7	2.31
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	8	2.31
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	8	2.31
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	8	2.31
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	10	2.31
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	10	2.31
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	10	2.31
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	11	2.31
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	11	2.31
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	11	2.31
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	14	2.31
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	14	2.31
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	14	2.31
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	18	2.31
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	18	2.31
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	18	2.31
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	1	2.31
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	1	2.31
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	1	2.31
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	8	2.31
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	8	2.31
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	8	2.31
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	12	2.31
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	12	2.31
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	12	2.31
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	14	2.31
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	14	2.31
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	14	2.31
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	1	2.31
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	1	2.31
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	1	2.31
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	4	2.31
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	4	2.31
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	4	2.31
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	16	2.31
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	16	2.31
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	16	2.31
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	17	2.31
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	17	2.31
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	17	2.31
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	20	2.31
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	20	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	20	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	2	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	2	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	2	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	3	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	3	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	3	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	5	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	5	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	5	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	8	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	8	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	8	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	11	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	11	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	11	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	12	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	12	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	12	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	14	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	14	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	14	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	15	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	15	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	15	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	16	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	16	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	16	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	17	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	17	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	17	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	19	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	19	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	19	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG11	20	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG12	20	2.31
(2,367)	1:163:A:VAL:HB	1:163:A:VAL:HG13	20	2.31
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	19	2.31
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	4	2.31
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	4	2.31
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	4	2.31
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	5	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	5	2.31
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	5	2.31
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	6	2.31
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	6	2.31
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	6	2.31
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	15	2.31
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	15	2.31
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	15	2.31
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	18	2.31
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	18	2.31
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	18	2.31
(4,1381)	1:162:A:ARG:HD3	1:162:A:ARG:H	2	2.3
(4,1381)	1:162:A:ARG:HD3	1:162:A:ARG:H	14	2.3
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	5	2.3
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	1	2.3
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	1	2.3
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	1	2.3
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	17	2.3
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	6	2.3
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	6	2.3
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	6	2.3
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	11	2.3
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	11	2.3
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	11	2.3
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	12	2.3
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	12	2.3
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	12	2.3
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	5	2.3
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	5	2.3
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	5	2.3
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	5	2.3
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	5	2.3
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	5	2.3
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	5	2.3
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	5	2.3
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	5	2.3
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	16	2.3
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	16	2.3
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	16	2.3
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	16	2.3
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	16	2.3
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	16	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	16	2.3
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	16	2.3
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	16	2.3
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	2	2.3
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	2	2.3
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	9	2.3
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	9	2.3
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	13	2.3
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	13	2.3
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	15	2.3
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	15	2.3
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	1	2.3
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	1	2.3
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	7	2.3
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	7	2.3
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	10	2.3
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	10	2.3
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	12	2.3
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	12	2.3
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	11	2.3
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	11	2.3
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	11	2.3
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	11	2.3
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	11	2.3
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	11	2.3
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	11	2.3
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	11	2.3
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	11	2.3
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	16	2.3
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	16	2.3
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	16	2.3
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	16	2.3
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	16	2.3
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	16	2.3
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	16	2.3
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	16	2.3
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	16	2.3
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	18	2.3
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	18	2.3
(2,2536)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	18	2.3
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	18	2.3
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	18	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2536)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	18	2.3
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	18	2.3
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	18	2.3
(2,2536)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	18	2.3
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	1	2.3
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	1	2.3
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	1	2.3
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	11	2.3
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	11	2.3
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	11	2.3
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	5	2.3
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	16	2.3
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	17	2.3
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	5	2.3
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	5	2.3
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	5	2.3
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	1	2.3
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	2	2.3
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	9	2.3
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	10	2.3
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	7	2.3
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	7	2.3
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	7	2.3
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	1	2.3
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	1	2.3
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	1	2.3
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	5	2.3
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	5	2.3
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	5	2.3
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	8	2.3
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	8	2.3
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	8	2.3
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	9	2.3
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	9	2.3
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	9	2.3
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	10	2.3
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	10	2.3
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	10	2.3
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	12	2.3
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	12	2.3
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	12	2.3
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	15	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	15	2.3
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	15	2.3
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	19	2.3
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	1	2.3
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	17	2.3
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	18	2.3
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	20	2.3
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	16	2.3
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	14	2.3
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	11	2.3
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	11	2.3
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	11	2.3
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	11	2.3
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	11	2.3
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	11	2.3
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	11	2.3
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	11	2.3
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	11	2.3
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	15	2.3
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	15	2.3
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	15	2.3
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	15	2.3
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	15	2.3
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	15	2.3
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	15	2.3
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	15	2.3
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	15	2.3
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	18	2.3
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	18	2.3
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	18	2.3
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	18	2.3
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	18	2.3
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	18	2.3
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	18	2.3
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	18	2.3
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	18	2.3
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	19	2.3
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	9	2.3
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	9	2.3
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	9	2.3
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG21	5	2.3
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG22	5	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1813)	1:95:A:THR:H	1:95:A:THR:HG23	5	2.3
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	14	2.3
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	14	2.3
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	14	2.3
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	14	2.3
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	14	2.3
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	14	2.3
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	14	2.3
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	14	2.3
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	14	2.3
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	18	2.3
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	18	2.3
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	18	2.3
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	18	2.3
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	18	2.3
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	18	2.3
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	18	2.3
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	18	2.3
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	18	2.3
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	6	2.3
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	15	2.3
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	14	2.3
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	1	2.3
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	2	2.3
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	12	2.3
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	20	2.3
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	4	2.3
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	3	2.3
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	3	2.3
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	3	2.3
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	1	2.3
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	1	2.3
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	1	2.3
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	1	2.3
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	1	2.3
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	1	2.3
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	1	2.3
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	1	2.3
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	1	2.3
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	19	2.3
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	19	2.3
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	19	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	19	2.3
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	19	2.3
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	19	2.3
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	19	2.3
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	19	2.3
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	19	2.3
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	20	2.3
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	20	2.3
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	20	2.3
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	20	2.3
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	20	2.3
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	20	2.3
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	20	2.3
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	20	2.3
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	20	2.3
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	2	2.3
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	11	2.3
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	18	2.3
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	2	2.3
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	3	2.3
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	7	2.3
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	3	2.3
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	11	2.3
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	16	2.3
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	17	2.3
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	19	2.3
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	3	2.3
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	3	2.3
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	3	2.3
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	12	2.3
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	12	2.3
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	12	2.3
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	15	2.3
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	15	2.3
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	15	2.3
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	16	2.3
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	16	2.3
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	16	2.3
(2,952)	1:57:A:ILE:HG21	1:57:A:ILE:HB	20	2.3
(2,952)	1:57:A:ILE:HG22	1:57:A:ILE:HB	20	2.3
(2,952)	1:57:A:ILE:HG23	1:57:A:ILE:HB	20	2.3
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	10	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	9	2.3
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	9	2.3
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	9	2.3
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	20	2.3
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	20	2.3
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	20	2.3
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	16	2.3
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	16	2.3
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	16	2.3
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	19	2.3
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	19	2.3
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	19	2.3
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	5	2.3
(2,608)	1:105:A:ARG:HG3	1:106:A:ASN:H	12	2.3
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	14	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	1	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	1	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	1	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	2	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	2	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	2	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	3	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	3	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	3	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	5	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	5	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	5	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	6	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	6	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	6	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	7	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	7	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	7	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	8	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	8	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	8	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	9	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	9	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	9	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	10	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	10	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	10	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	12	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	12	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	12	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	13	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	13	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	13	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	14	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	14	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	14	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	15	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	15	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	15	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	18	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	18	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	18	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	19	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	19	2.3
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	19	2.3
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	2	2.3
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	12	2.3
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	14	2.3
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	2	2.3
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	2	2.3
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	2	2.3
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	7	2.3
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	7	2.3
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	7	2.3
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	14	2.3
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	14	2.3
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	14	2.3
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	1	2.3
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	1	2.3
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	1	2.3
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	17	2.3
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	17	2.3
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	17	2.3
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	19	2.3
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	19	2.3
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	19	2.3
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	20	2.3
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	20	2.3
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	20	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	9	2.29
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	9	2.29
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	9	2.29
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	3	2.29
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	3	2.29
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	3	2.29
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	10	2.29
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	10	2.29
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	10	2.29
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	18	2.29
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	18	2.29
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	18	2.29
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	3	2.29
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	3	2.29
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	3	2.29
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	14	2.29
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	14	2.29
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	14	2.29
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	20	2.29
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	20	2.29
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	20	2.29
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	2	2.29
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	2	2.29
(2,2813)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	2	2.29
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	2	2.29
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	2	2.29
(2,2813)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	2	2.29
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	2	2.29
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	2	2.29
(2,2813)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	2	2.29
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	15	2.29
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	3	2.29
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	3	2.29
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	11	2.29
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	11	2.29
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	17	2.29
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	17	2.29
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	4	2.29
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	4	2.29
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	13	2.29
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	13	2.29
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	15	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	15	2.29
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	18	2.29
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	18	2.29
(2,2460)	1:89:A:ILE:HG21	1:89:A:ILE:H	8	2.29
(2,2460)	1:89:A:ILE:HG22	1:89:A:ILE:H	8	2.29
(2,2460)	1:89:A:ILE:HG23	1:89:A:ILE:H	8	2.29
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	8	2.29
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	11	2.29
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	2	2.29
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	6	2.29
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	14	2.29
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	18	2.29
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	2	2.29
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	2	2.29
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	2	2.29
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	4	2.29
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	4	2.29
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	4	2.29
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	11	2.29
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	11	2.29
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	11	2.29
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	14	2.29
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	14	2.29
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	14	2.29
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	17	2.29
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	17	2.29
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	17	2.29
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	19	2.29
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	19	2.29
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	19	2.29
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	20	2.29
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	20	2.29
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	20	2.29
(2,2071)	1:98:A:PHE:HB3	1:99:A:TYR:H	10	2.29
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	2	2.29
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	3	2.29
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	4	2.29
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	5	2.29
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	7	2.29
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	11	2.29
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	19	2.29
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	3	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	3	2.29
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	3	2.29
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	3	2.29
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	3	2.29
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	3	2.29
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	3	2.29
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	3	2.29
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	3	2.29
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	10	2.29
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	10	2.29
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	10	2.29
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	10	2.29
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	10	2.29
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	10	2.29
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	10	2.29
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	10	2.29
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	10	2.29
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	9	2.29
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	13	2.29
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	5	2.29
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	11	2.29
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	16	2.29
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	20	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	2	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	2	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	2	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	2	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	2	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	2	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	2	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	2	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	2	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	3	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	3	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	3	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	3	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	3	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	3	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	3	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	3	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	3	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	9	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	9	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	9	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	9	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	9	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	9	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	9	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	9	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	9	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	10	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	10	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	10	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	10	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	10	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	10	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	10	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	10	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	10	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	16	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	16	2.29
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	16	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	16	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	16	2.29
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	16	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	16	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	16	2.29
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	16	2.29
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	5	2.29
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	15	2.29
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	16	2.29
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	1	2.29
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	1	2.29
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	1	2.29
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	7	2.29
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	7	2.29
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	7	2.29
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	8	2.29
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	8	2.29
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	8	2.29
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	18	2.29
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	18	2.29
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	18	2.29
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	7	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	15	2.29
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	7	2.29
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	10	2.29
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	10	2.29
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	10	2.29
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	13	2.29
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	13	2.29
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	13	2.29
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	13	2.29
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	19	2.29
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	18	2.29
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	7	2.29
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	7	2.29
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	7	2.29
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	7	2.29
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	7	2.29
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	7	2.29
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	7	2.29
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	7	2.29
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	7	2.29
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	16	2.29
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	16	2.29
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	16	2.29
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	16	2.29
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	16	2.29
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	16	2.29
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	16	2.29
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	16	2.29
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	16	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	1	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	1	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	1	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	2	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	2	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	2	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	3	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	3	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	3	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	4	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	4	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	4	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	5	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	5	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	5	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	6	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	6	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	6	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	7	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	7	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	7	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	8	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	8	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	8	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	9	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	9	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	9	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	10	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	10	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	10	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	11	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	11	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	11	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	12	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	12	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	12	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	13	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	13	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	13	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	14	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	14	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	14	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	15	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	15	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	15	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	16	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	16	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	16	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	17	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	17	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	17	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	18	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	18	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	18	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	19	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	19	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	19	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG21	20	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG22	20	2.29
(2,1262)	1:48:A:ILE:HB	1:48:A:ILE:HG23	20	2.29
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	1	2.29
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	10	2.29
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	4	2.29
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	13	2.29
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	15	2.29
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	18	2.29
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	19	2.29
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	15	2.29
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	7	2.29
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	7	2.29
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	14	2.29
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	14	2.29
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	14	2.29
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	4	2.29
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	4	2.29
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	4	2.29
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	7	2.29
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	7	2.29
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	7	2.29
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	10	2.29
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	10	2.29
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	10	2.29
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	11	2.29
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	11	2.29
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	11	2.29
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	12	2.29
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	12	2.29
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	12	2.29
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	13	2.29
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	13	2.29
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	13	2.29
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	14	2.29
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	14	2.29
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	14	2.29
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	11	2.29
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	11	2.29
(2,422)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	11	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	11	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	1	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	1	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	1	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	3	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	3	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	3	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	4	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	4	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	4	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	5	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	5	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	5	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	6	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	6	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	6	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	8	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	8	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	8	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	9	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	9	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	9	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	10	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	10	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	10	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	11	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	11	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	11	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	12	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	12	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	12	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	13	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	13	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	13	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	15	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	15	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	15	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	16	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	16	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	16	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	17	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	17	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	17	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	18	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	18	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	18	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	19	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	19	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	19	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB1	20	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB2	20	2.29
(2,34)	1:85:A:ALA:HA	1:85:A:ALA:HB3	20	2.29
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	15	2.29
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	2	2.29
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	2	2.29
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	2	2.29
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	3	2.29
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	3	2.29
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	3	2.29
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	8	2.29
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	8	2.29
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	8	2.29
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	16	2.29
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	16	2.29
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	16	2.29
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	15	2.28
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	11	2.28
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	7	2.28
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	7	2.28
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	7	2.28
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	11	2.28
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	4	2.28
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	4	2.28
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	4	2.28
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	12	2.28
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	12	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	11	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	11	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	11	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	12	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	12	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	12	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	13	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	13	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	13	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	16	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	16	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	16	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	20	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	20	2.28
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	20	2.28
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	1	2.28
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	1	2.28
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	1	2.28
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	5	2.28
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	5	2.28
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	5	2.28
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	7	2.28
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	7	2.28
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	7	2.28
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	8	2.28
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	8	2.28
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	8	2.28
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	9	2.28
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	9	2.28
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	9	2.28
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	13	2.28
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	13	2.28
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	13	2.28
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	15	2.28
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	15	2.28
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	15	2.28
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	16	2.28
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	16	2.28
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	16	2.28
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	17	2.28
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	17	2.28
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	17	2.28
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	18	2.28
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	18	2.28
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	18	2.28
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	19	2.28
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	19	2.28
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	19	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	2	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	2	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	10	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	10	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	14	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	14	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	16	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	16	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	18	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	18	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	19	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	19	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	20	2.28
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	20	2.28
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	1	2.28
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	7	2.28
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	7	2.28
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	16	2.28
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	16	2.28
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	3	2.28
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	3	2.28
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	6	2.28
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	6	2.28
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	8	2.28
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	8	2.28
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	16	2.28
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	16	2.28
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	10	2.28
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	13	2.28
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	9	2.28
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	13	2.28
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	8	2.28
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	8	2.28
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	8	2.28
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	14	2.28
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	14	2.28
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	14	2.28
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	17	2.28
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	17	2.28
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	17	2.28
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	16	2.28
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	16	2.28
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	16	2.28
(2,2076)	1:116:A:LEU:HD11	1:116:A:LEU:HG	18	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2076)	1:116:A:LEU:HD12	1:116:A:LEU:HG	18	2.28
(2,2076)	1:116:A:LEU:HD13	1:116:A:LEU:HG	18	2.28
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	15	2.28
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	5	2.28
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	10	2.28
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	15	2.28
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	12	2.28
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	20	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	2	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	2	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	2	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	2	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	2	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	2	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	2	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	2	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	2	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	4	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	4	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	4	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	4	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	4	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	4	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	4	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	4	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	4	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	8	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	8	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	8	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	8	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	8	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	8	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	8	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	8	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	8	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	12	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	12	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	12	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	12	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	12	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	12	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	12	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	12	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	12	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	13	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	13	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	13	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	13	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	13	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	13	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	13	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	13	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	13	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	14	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	14	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	14	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	14	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	14	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	14	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	14	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	14	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	14	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	16	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	16	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	16	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	16	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	16	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	16	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	16	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	16	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	16	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	17	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	17	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	17	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	17	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	17	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	17	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	17	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	17	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	17	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	19	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	19	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	19	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	19	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	19	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	19	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	19	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	19	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	19	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	20	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	20	2.28
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	20	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	20	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	20	2.28
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	20	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	20	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	20	2.28
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	20	2.28
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	1	2.28
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	8	2.28
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	19	2.28
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	19	2.28
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	19	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	1	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	2	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	3	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	4	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	6	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	7	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	8	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	9	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	10	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	12	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	13	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	14	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	15	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	17	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	18	2.28
(2,1793)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	19	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	4	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	4	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	4	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	4	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	4	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	4	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	4	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	4	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	4	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	5	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	5	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	5	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	5	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	5	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	5	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	5	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	5	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	5	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	15	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	15	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	15	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	15	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	15	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	15	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	15	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	15	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	15	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	19	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	19	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	19	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	19	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	19	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	19	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	19	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	19	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	19	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	20	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	20	2.28
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	20	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	20	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	20	2.28
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	20	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	20	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	20	2.28
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	20	2.28
(2,1778)	1:54:A:PRO:HD2	1:55:A:TYR:H	1	2.28
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	9	2.28
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	9	2.28
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	9	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	19	2.28
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	19	2.28
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	19	2.28
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	8	2.28
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	9	2.28
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	9	2.28
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	9	2.28
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	19	2.28
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	19	2.28
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	19	2.28
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	3	2.28
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	11	2.28
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	19	2.28
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	20	2.28
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	3	2.28
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	9	2.28
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	9	2.28
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	9	2.28
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	1	2.28
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	4	2.28
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	15	2.28
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	12	2.28
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	12	2.28
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	12	2.28
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	12	2.28
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	12	2.28
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	12	2.28
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	12	2.28
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	12	2.28
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	12	2.28
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	18	2.28
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	18	2.28
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	18	2.28
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	18	2.28
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	18	2.28
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	18	2.28
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	18	2.28
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	18	2.28
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	18	2.28
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	8	2.28
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	6	2.28
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	6	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	6	2.28
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	10	2.28
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	5	2.28
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	6	2.28
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	7	2.28
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	10	2.28
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	12	2.28
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	1	2.28
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	18	2.28
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	15	2.28
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	2	2.28
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	2	2.28
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	2	2.28
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	6	2.28
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	6	2.28
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	6	2.28
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	7	2.28
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	12	2.28
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	7	2.28
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	6	2.28
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	6	2.28
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	6	2.28
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	4	2.28
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	4	2.28
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	4	2.28
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	18	2.28
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	18	2.28
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	18	2.28
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	10	2.28
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	3	2.28
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	3	2.28
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	3	2.28
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	15	2.28
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	15	2.28
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	15	2.28
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	4	2.28
(2,24)	1:40:A:LEU:HD11	1:40:A:LEU:HA	9	2.28
(2,24)	1:40:A:LEU:HD12	1:40:A:LEU:HA	9	2.28
(2,24)	1:40:A:LEU:HD13	1:40:A:LEU:HA	9	2.28
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	12	2.27
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	19	2.27
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	12	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	12	2.27
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	12	2.27
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	13	2.27
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	13	2.27
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	13	2.27
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	2	2.27
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	9	2.27
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	9	2.27
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	9	2.27
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	8	2.27
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	19	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	8	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	8	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	8	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	9	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	9	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	9	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	10	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	10	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	10	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	13	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	13	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	13	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	17	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	17	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	17	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	19	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	19	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	19	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	20	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	20	2.27
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	20	2.27
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	6	2.27
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	6	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	4	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	4	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	4	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	5	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	5	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	5	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	10	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	10	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	10	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	17	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	17	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	17	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	18	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	18	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	18	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	19	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	19	2.27
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	19	2.27
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	4	2.27
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	4	2.27
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	4	2.27
(2,2850)	1:84:A:ILE:HD11	1:84:A:ILE:HB	10	2.27
(2,2850)	1:84:A:ILE:HD12	1:84:A:ILE:HB	10	2.27
(2,2850)	1:84:A:ILE:HD13	1:84:A:ILE:HB	10	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	3	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	3	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	4	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	4	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	5	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	5	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	6	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	6	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	7	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	7	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	8	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	8	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	9	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	9	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	11	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	11	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	12	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	12	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	13	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	13	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	15	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	15	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	17	2.27
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	17	2.27
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	10	2.27
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	10	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	18	2.27
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	18	2.27
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	2	2.27
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	2	2.27
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	9	2.27
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	9	2.27
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	14	2.27
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	14	2.27
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	17	2.27
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	17	2.27
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	20	2.27
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	20	2.27
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	16	2.27
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	16	2.27
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	16	2.27
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	19	2.27
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	10	2.27
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	13	2.27
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	14	2.27
(2,2350)	1:18:A:ILE:HG13	1:18:A:ILE:H	20	2.27
(2,2276)	1:115:A:TRP:HB2	1:115:A:TRP:HA	8	2.27
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	3	2.27
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	3	2.27
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	3	2.27
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	6	2.27
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	8	2.27
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	5	2.27
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	6	2.27
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	13	2.27
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	8	2.27
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	13	2.27
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	1	2.27
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	1	2.27
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	1	2.27
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	1	2.27
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	1	2.27
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	1	2.27
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	1	2.27
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	1	2.27
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	1	2.27
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	5	2.27
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	5	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	5	2.27
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	5	2.27
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	5	2.27
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	5	2.27
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	5	2.27
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	5	2.27
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	5	2.27
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	6	2.27
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	6	2.27
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	6	2.27
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	6	2.27
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	6	2.27
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	6	2.27
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	6	2.27
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	6	2.27
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	6	2.27
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	7	2.27
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	7	2.27
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	7	2.27
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	7	2.27
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	7	2.27
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	7	2.27
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	7	2.27
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	7	2.27
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	7	2.27
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	7	2.27
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	14	2.27
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	8	2.27
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	8	2.27
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	8	2.27
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	1	2.27
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	1	2.27
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	1	2.27
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	1	2.27
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	1	2.27
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	1	2.27
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	1	2.27
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	1	2.27
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	1	2.27
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	6	2.27
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	6	2.27
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	6	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	6	2.27
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	6	2.27
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	6	2.27
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	6	2.27
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	6	2.27
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	6	2.27
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	12	2.27
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	12	2.27
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	12	2.27
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	12	2.27
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	12	2.27
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	12	2.27
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	12	2.27
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	12	2.27
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	12	2.27
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	3	2.27
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	3	2.27
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	3	2.27
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	4	2.27
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	4	2.27
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	4	2.27
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	13	2.27
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	13	2.27
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	13	2.27
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	19	2.27
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	19	2.27
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	19	2.27
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	5	2.27
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	7	2.27
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	13	2.27
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	14	2.27
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	18	2.27
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	5	2.27
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	3	2.27
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	11	2.27
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	1	2.27
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	2	2.27
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	9	2.27
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	6	2.27
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	6	2.27
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	4	2.27
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	15	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	12	2.27
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	1	2.27
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	1	2.27
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	1	2.27
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	5	2.27
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	5	2.27
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	5	2.27
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	6	2.27
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	6	2.27
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	6	2.27
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	15	2.27
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	15	2.27
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	15	2.27
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	17	2.27
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	17	2.27
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	17	2.27
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	19	2.27
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	19	2.27
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	19	2.27
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	5	2.27
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	5	2.27
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	19	2.27
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	19	2.27
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	19	2.27
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	3	2.27
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	20	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	1	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	1	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	1	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	2	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	2	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	2	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	4	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	4	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	4	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	5	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	5	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	5	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	7	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	7	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	7	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	8	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	8	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	8	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	13	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	13	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	13	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	16	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	16	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	16	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	18	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	18	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	18	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	20	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	20	2.27
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	20	2.27
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	16	2.27
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	17	2.27
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	20	2.27
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	7	2.27
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	8	2.27
(4,1381)	1:162:A:ARG:HD3	1:162:A:ARG:H	7	2.26
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	3	2.26
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	16	2.26
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	4	2.26
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	5	2.26
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	5	2.26
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	5	2.26
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	8	2.26
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	8	2.26
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	8	2.26
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	16	2.26
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	16	2.26
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	16	2.26
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	9	2.26
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	5	2.26
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	5	2.26
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	5	2.26
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	12	2.26
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	12	2.26
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	12	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	1	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	1	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	1	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	2	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	2	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	2	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	3	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	3	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	3	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	4	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	4	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	4	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	5	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	5	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	5	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	6	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	6	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	6	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	7	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	7	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	7	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	8	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	8	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	8	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	9	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	9	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	9	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	10	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	10	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	10	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	11	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	11	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	11	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	12	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	12	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	12	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	13	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	13	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	13	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	14	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	14	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	14	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	15	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	15	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	15	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	16	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	16	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	16	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	17	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	17	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	17	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	18	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	18	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	18	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	19	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	19	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	19	2.26
(2,3015)	1:156:A:ILE:HG21	1:156:A:ILE:HB	20	2.26
(2,3015)	1:156:A:ILE:HG22	1:156:A:ILE:HB	20	2.26
(2,3015)	1:156:A:ILE:HG23	1:156:A:ILE:HB	20	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	3	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	3	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	3	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	7	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	7	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	7	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	14	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	14	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	14	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	15	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	15	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	15	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	16	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	16	2.26
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	16	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	2	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	2	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	2	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	6	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	6	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	6	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	7	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	7	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	7	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	9	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	9	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	9	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	14	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	14	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	14	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	15	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	15	2.26
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	15	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	1	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	1	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	1	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	2	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	2	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	2	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	3	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	3	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	3	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	4	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	4	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	4	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	5	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	5	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	5	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	6	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	6	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	6	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	7	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	7	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	7	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	8	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	8	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	8	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	9	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	9	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	9	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	10	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	10	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	10	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	11	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	11	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	11	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	12	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	12	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	12	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	13	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	13	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	13	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	14	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	14	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	14	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	15	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	15	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	15	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	16	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	16	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	16	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	17	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	17	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	17	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	18	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	18	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	18	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	19	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	19	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	19	2.26
(2,2815)	1:61:A:ILE:HG21	1:61:A:ILE:HB	20	2.26
(2,2815)	1:61:A:ILE:HG22	1:61:A:ILE:HB	20	2.26
(2,2815)	1:61:A:ILE:HG23	1:61:A:ILE:HB	20	2.26
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	1	2.26
(2,2754)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	1	2.26
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	18	2.26
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	4	2.26
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	4	2.26
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	8	2.26
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	8	2.26
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	19	2.26
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	19	2.26
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	11	2.26
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	11	2.26
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	19	2.26
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	19	2.26
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	12	2.26
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	6	2.26
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	6	2.26
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	12	2.26
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	12	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	12	2.26
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	19	2.26
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	19	2.26
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	19	2.26
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	11	2.26
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	11	2.26
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	11	2.26
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	2	2.26
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	2	2.26
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	2	2.26
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	19	2.26
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	19	2.26
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	19	2.26
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	8	2.26
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	3	2.26
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	16	2.26
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	10	2.26
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	10	2.26
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	10	2.26
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	10	2.26
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	10	2.26
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	10	2.26
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	10	2.26
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	10	2.26
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	10	2.26
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	2	2.26
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	18	2.26
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	7	2.26
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	7	2.26
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	7	2.26
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	7	2.26
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	7	2.26
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	7	2.26
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	7	2.26
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	7	2.26
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	7	2.26
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	8	2.26
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	8	2.26
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	8	2.26
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	8	2.26
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	8	2.26
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	8	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	8	2.26
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	8	2.26
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	8	2.26
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	13	2.26
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	13	2.26
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	13	2.26
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	13	2.26
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	13	2.26
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	13	2.26
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	13	2.26
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	13	2.26
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	13	2.26
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	17	2.26
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	17	2.26
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	17	2.26
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	17	2.26
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	17	2.26
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	17	2.26
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	17	2.26
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	17	2.26
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	17	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	2	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	2	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	2	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	10	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	10	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	10	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	12	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	12	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	12	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	15	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	15	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	15	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	17	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	17	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	17	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	20	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	20	2.26
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	20	2.26
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	17	2.26
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	17	2.26
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	17	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1706)	1:115:A:TRP:HB3	1:115:A:TRP:HD1	6	2.26
(2,1662)	1:51:A:LEU:HA	1:51:A:LEU:HG	19	2.26
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	12	2.26
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	1	2.26
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	6	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	1	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	2	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	4	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	5	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	6	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	7	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	8	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	9	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	10	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	11	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	12	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	13	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	14	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	15	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	16	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	17	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	18	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	19	2.26
(2,1575)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	20	2.26
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	1	2.26
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	2	2.26
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	6	2.26
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	7	2.26
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	8	2.26
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	5	2.26
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	12	2.26
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	14	2.26
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	18	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	1	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	1	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	1	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	2	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	2	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	2	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	3	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	3	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	3	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	4	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	4	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	4	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	5	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	5	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	5	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	6	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	6	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	6	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	7	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	7	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	7	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	8	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	8	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	8	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	9	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	9	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	9	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	10	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	10	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	10	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	11	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	11	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	11	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	12	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	12	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	12	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	13	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	13	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	13	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	14	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	14	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	14	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	15	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	15	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	15	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	16	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	16	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	16	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	17	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	17	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	17	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	18	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	18	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	18	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	19	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	19	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	19	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	20	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	20	2.26
(2,1110)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	20	2.26
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	6	2.26
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	6	2.26
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	6	2.26
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	3	2.26
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	5	2.26
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	16	2.26
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	16	2.26
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	16	2.26
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	3	2.26
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	3	2.26
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	3	2.26
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	7	2.26
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	7	2.26
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	7	2.26
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	8	2.26
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	8	2.26
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	8	2.26
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	15	2.26
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	15	2.26
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	15	2.26
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	2	2.26
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	17	2.26
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	6	2.26
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	1	2.26
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	2	2.26
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	2	2.26
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	2	2.26
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	16	2.26
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	16	2.26
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	16	2.26
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	20	2.26
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	20	2.26
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	20	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	3	2.26
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	8	2.26
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	1	2.26
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	1	2.26
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	7	2.26
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	7	2.26
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	13	2.26
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	13	2.26
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	15	2.26
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	15	2.26
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	3	2.26
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	3	2.26
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	3	2.26
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	12	2.26
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	12	2.26
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	12	2.26
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	13	2.26
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	13	2.26
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	13	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	6	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	6	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	6	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	9	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	9	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	9	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	10	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	10	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	10	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	12	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	12	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	12	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	17	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	17	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	17	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	19	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	19	2.26
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	19	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	1	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	2	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	3	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	4	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	5	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	6	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	7	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	8	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	9	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	10	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	11	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	12	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	13	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	14	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	15	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	18	2.26
(2,138)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	19	2.26
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	3	2.26
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	3	2.26
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	3	2.26
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	11	2.26
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	11	2.26
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	11	2.26
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	9	2.25
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	3	2.25
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	3	2.25
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	3	2.25
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	10	2.25
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	10	2.25
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	10	2.25
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	15	2.25
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	15	2.25
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	15	2.25
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	20	2.25
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	20	2.25
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	20	2.25
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	2	2.25
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	2	2.25
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	2	2.25
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	19	2.25
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	19	2.25
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	19	2.25
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	12	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	1	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	1	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	1	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	5	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	5	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	5	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	6	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	6	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	6	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	11	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	11	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	11	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	12	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	12	2.25
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	12	2.25
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	1	2.25
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	1	2.25
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	1	2.25
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	8	2.25
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	8	2.25
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	8	2.25
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	12	2.25
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	12	2.25
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	12	2.25
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	19	2.25
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	20	2.25
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	20	2.25
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	5	2.25
(2,2558)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	5	2.25
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	17	2.25
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	18	2.25
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	4	2.25
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	4	2.25
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	4	2.25
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	17	2.25
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	17	2.25
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	17	2.25
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	20	2.25
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	20	2.25
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	20	2.25
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	16	2.25
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	17	2.25
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	20	2.25
(2,2109)	1:61:A:ILE:HG21	1:62:A:ALA:H	9	2.25
(2,2109)	1:61:A:ILE:HG22	1:62:A:ALA:H	9	2.25
(2,2109)	1:61:A:ILE:HG23	1:62:A:ALA:H	9	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	1	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	1	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	1	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	2	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	2	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	2	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	3	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	3	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	3	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	4	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	4	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	4	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	5	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	5	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	5	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	6	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	6	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	6	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	7	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	7	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	7	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	8	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	8	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	8	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	9	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	9	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	9	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	10	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	10	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	10	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	11	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	11	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	11	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	12	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	12	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	12	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	13	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	13	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	13	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	14	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	14	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	14	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	15	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	15	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	15	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	16	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	16	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	16	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	17	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	17	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	17	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	18	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	18	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	18	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	19	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	19	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	19	2.25
(2,1893)	1:150:A:VAL:HG21	1:150:A:VAL:HB	20	2.25
(2,1893)	1:150:A:VAL:HG22	1:150:A:VAL:HB	20	2.25
(2,1893)	1:150:A:VAL:HG23	1:150:A:VAL:HB	20	2.25
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	4	2.25
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	4	2.25
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	4	2.25
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	4	2.25
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	4	2.25
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	4	2.25
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	4	2.25
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	4	2.25
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	4	2.25
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	8	2.25
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	8	2.25
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	8	2.25
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	8	2.25
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	8	2.25
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	8	2.25
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	8	2.25
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	8	2.25
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	8	2.25
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	6	2.25
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	3	2.25
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	3	2.25
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	3	2.25
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG21	11	2.25
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG22	11	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1779)	1:19:A:ALA:HB1	1:26:A:THR:HG23	11	2.25
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG21	11	2.25
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG22	11	2.25
(2,1779)	1:19:A:ALA:HB2	1:26:A:THR:HG23	11	2.25
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG21	11	2.25
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG22	11	2.25
(2,1779)	1:19:A:ALA:HB3	1:26:A:THR:HG23	11	2.25
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	5	2.25
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	5	2.25
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	5	2.25
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	6	2.25
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	6	2.25
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	6	2.25
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	16	2.25
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	16	2.25
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	16	2.25
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	2	2.25
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	2	2.25
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	2	2.25
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	6	2.25
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	6	2.25
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	6	2.25
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	10	2.25
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	10	2.25
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	10	2.25
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	6	2.25
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	4	2.25
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	9	2.25
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	10	2.25
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	14	2.25
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	15	2.25
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	16	2.25
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	18	2.25
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	15	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	1	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	2	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	3	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	4	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	5	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	6	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	7	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	8	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	10	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	11	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	12	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	13	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	14	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	15	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	16	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	17	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	18	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	19	2.25
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	20	2.25
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	9	2.25
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	11	2.25
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	13	2.25
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	17	2.25
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	17	2.25
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	17	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	1	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	1	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	1	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	2	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	2	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	2	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	3	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	3	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	3	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	4	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	4	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	4	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	5	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	5	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	5	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	6	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	6	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	6	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	8	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	8	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	8	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	9	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	9	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	9	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	12	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	12	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	12	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	14	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	14	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	14	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	15	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	15	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	15	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	16	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	16	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	16	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	17	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	17	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	17	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	18	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	18	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	18	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	20	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	20	2.25
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	20	2.25
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	7	2.25
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	12	2.25
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	20	2.25
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	13	2.25
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	13	2.25
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	13	2.25
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	19	2.25
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	19	2.25
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	19	2.25
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	3	2.25
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	8	2.25
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	2	2.25
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	8	2.25
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	6	2.25
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	4	2.25
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	15	2.25
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	15	2.25
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	15	2.25
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	3	2.25
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	3	2.25
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	3	2.25
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	8	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	8	2.25
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	8	2.25
(2,423)	1:40:A:LEU:HD11	1:40:A:LEU:HA	9	2.25
(2,423)	1:40:A:LEU:HD12	1:40:A:LEU:HA	9	2.25
(2,423)	1:40:A:LEU:HD13	1:40:A:LEU:HA	9	2.25
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	12	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	3	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	3	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	6	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	6	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	10	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	10	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	12	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	12	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	14	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	14	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	16	2.25
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	16	2.25
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	4	2.25
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	4	2.25
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	4	2.25
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	5	2.25
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	5	2.25
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	5	2.25
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	16	2.25
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	16	2.25
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	16	2.25
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	17	2.25
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	17	2.25
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	17	2.25
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	14	2.25
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	14	2.25
(2,281)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	14	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	1	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	1	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	1	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	2	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	2	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	2	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	4	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	4	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	4	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	5	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	5	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	5	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	6	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	6	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	6	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	7	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	7	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	7	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	8	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	8	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	8	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	9	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	9	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	9	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	10	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	10	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	10	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	12	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	12	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	12	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	13	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	13	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	13	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	14	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	14	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	14	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	15	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	15	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	15	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	16	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	16	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	16	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	17	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	17	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	17	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	18	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	18	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	18	2.25
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	19	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	19	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	19	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,93)	1:134:A:ILE:HD11	1:134:A:ILE:HG12	20	2.25
(2,93)	1:134:A:ILE:HD12	1:134:A:ILE:HG12	20	2.25
(2,93)	1:134:A:ILE:HD13	1:134:A:ILE:HG12	20	2.25
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	17	2.24
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	12	2.24
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	17	2.24
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	1	2.24
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	1	2.24
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	1	2.24
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	6	2.24
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	6	2.24
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	6	2.24
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	5	2.24
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	5	2.24
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	5	2.24
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	9	2.24
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	9	2.24
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	9	2.24
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	13	2.24
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	13	2.24
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	13	2.24
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	9	2.24
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	9	2.24
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	9	2.24
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	7	2.24
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG21	2	2.24
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG22	2	2.24
(2,2941)	1:134:A:ILE:HG13	1:134:A:ILE:HG23	2	2.24
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	18	2.24
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	18	2.24
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	18	2.24
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	20	2.24
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	20	2.24
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	20	2.24
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	2	2.24
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	2	2.24
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	2	2.24
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	14	2.24
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	17	2.24
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	15	2.24
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	15	2.24
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	15	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	19	2.24
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	19	2.24
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	19	2.24
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	18	2.24
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	6	2.24
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	6	2.24
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	6	2.24
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	11	2.24
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	11	2.24
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	11	2.24
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	3	2.24
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	3	2.24
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	3	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	1	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	2	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	3	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	4	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	5	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	6	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	7	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	8	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	9	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	10	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	11	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	12	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	13	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	14	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	15	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	18	2.24
(2,2128)	1:111:A:PHE:HB2	1:111:A:PHE:HB3	19	2.24
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	1	2.24
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	3	2.24
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	7	2.24
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	9	2.24
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	10	2.24
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	7	2.24
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	9	2.24
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	2	2.24
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	2	2.24
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	2	2.24
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	2	2.24
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	2	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	2	2.24
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	2	2.24
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	2	2.24
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	2	2.24
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	5	2.24
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	5	2.24
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	5	2.24
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	5	2.24
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	5	2.24
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	5	2.24
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	5	2.24
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	5	2.24
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	5	2.24
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	17	2.24
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	17	2.24
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	17	2.24
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	17	2.24
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	17	2.24
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	17	2.24
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	17	2.24
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	17	2.24
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	17	2.24
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	5	2.24
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	10	2.24
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	15	2.24
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	17	2.24
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	2	2.24
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	2	2.24
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	2	2.24
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	13	2.24
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	13	2.24
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	13	2.24
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	4	2.24
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	4	2.24
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	4	2.24
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	14	2.24
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	14	2.24
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	14	2.24
(2,1713)	1:126:A:HIS:HB2	1:115:A:TRP:HE3	12	2.24
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	17	2.24
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	15	2.24
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	11	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	11	2.24
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	11	2.24
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	11	2.24
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	3	2.24
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	7	2.24
(2,1371)	1:142:A:CYS:HB2	1:142:A:CYS:HB3	9	2.24
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	15	2.24
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	15	2.24
(2,1365)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	15	2.24
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	15	2.24
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	15	2.24
(2,1365)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	15	2.24
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	15	2.24
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	15	2.24
(2,1365)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	15	2.24
(2,1193)	1:115:A:TRP:HB2	1:115:A:TRP:HA	8	2.24
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	15	2.24
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	15	2.24
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	15	2.24
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	14	2.24
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	3	2.24
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	3	2.24
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	3	2.24
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	13	2.24
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	13	2.24
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	13	2.24
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	1	2.24
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	1	2.24
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	1	2.24
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	1	2.24
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	1	2.24
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	1	2.24
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	1	2.24
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	1	2.24
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	1	2.24
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	7	2.24
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	7	2.24
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	7	2.24
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	10	2.24
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	10	2.24
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	10	2.24
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	13	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	13	2.24
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	13	2.24
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD11	19	2.24
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD12	19	2.24
(2,985)	1:70:A:LEU:HG	1:70:A:LEU:HD13	19	2.24
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	4	2.24
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	4	2.24
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	4	2.24
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	7	2.24
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	7	2.24
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	7	2.24
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	11	2.24
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	11	2.24
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	11	2.24
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	12	2.24
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	12	2.24
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	12	2.24
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	17	2.24
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	17	2.24
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	17	2.24
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	20	2.24
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	20	2.24
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	20	2.24
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	19	2.24
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	7	2.24
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	18	2.24
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	18	2.24
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	18	2.24
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	1	2.24
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	1	2.24
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	1	2.24
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	11	2.24
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	11	2.24
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	11	2.24
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	1	2.24
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	1	2.24
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	1	2.24
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	5	2.24
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	5	2.24
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	5	2.24
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	9	2.24
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	9	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	9	2.24
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	10	2.24
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	10	2.24
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	10	2.24
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	12	2.24
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	4	2.24
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	4	2.24
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	9	2.24
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	9	2.24
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	18	2.24
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	18	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	1	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	1	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	1	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	6	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	6	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	6	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	8	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	8	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	8	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	10	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	10	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	10	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	18	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	18	2.24
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	18	2.24
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	1	2.24
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	8	2.24
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	11	2.24
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	17	2.24
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	20	2.24
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	14	2.24
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	20	2.23
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	8	2.23
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	17	2.23
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	10	2.23
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	20	2.23
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	11	2.23
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	11	2.23
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	11	2.23
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	17	2.23
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	17	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	17	2.23
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	18	2.23
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	18	2.23
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	18	2.23
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	19	2.23
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	19	2.23
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	19	2.23
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	7	2.23
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	7	2.23
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	7	2.23
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	8	2.23
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	8	2.23
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	8	2.23
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	18	2.23
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	18	2.23
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	18	2.23
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	1	2.23
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	1	2.23
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	1	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	2	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	2	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	2	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	3	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	3	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	3	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	6	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	6	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	6	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	14	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	14	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	14	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	15	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	15	2.23
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	15	2.23
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	14	2.23
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	14	2.23
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	14	2.23
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	17	2.23
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	17	2.23
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	17	2.23
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	17	2.23
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	1	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	10	2.23
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	16	2.23
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	16	2.23
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	16	2.23
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	16	2.23
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	2	2.23
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	2	2.23
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	2	2.23
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	4	2.23
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	4	2.23
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	4	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	1	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	1	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	1	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	2	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	2	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	2	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	4	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	4	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	4	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	5	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	5	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	5	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	6	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	6	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	6	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	7	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	7	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	7	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	8	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	8	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	8	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	9	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	9	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	9	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	10	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	10	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	10	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	11	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	11	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	11	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	12	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	12	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	12	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	13	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	13	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	13	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	14	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	14	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	14	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	15	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	15	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	15	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	16	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	16	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	16	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	17	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	17	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	17	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	18	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	18	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	18	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	19	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	19	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	19	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG21	20	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG22	20	2.23
(2,2143)	1:134:A:ILE:HB	1:134:A:ILE:HG23	20	2.23
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	10	2.23
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	6	2.23
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	11	2.23
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	12	2.23
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	19	2.23
(2,1968)	1:145:A:MET:HB2	1:145:A:MET:H	14	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	3	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	3	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	3	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	3	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	3	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	3	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	3	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	3	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	3	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	6	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	6	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	6	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	6	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	6	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	6	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	6	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	6	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	6	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	11	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	11	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	11	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	11	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	11	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	11	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	11	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	11	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	11	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	13	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	13	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	13	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	13	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	13	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	13	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	13	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	13	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	13	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	14	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	14	2.23
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	14	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	14	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	14	2.23
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	14	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	14	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	14	2.23
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	14	2.23
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	3	2.23
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	9	2.23
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	9	2.23
(2,1859)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	9	2.23
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	9	2.23
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	9	2.23
(2,1859)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	9	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	9	2.23
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	9	2.23
(2,1859)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	9	2.23
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	4	2.23
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	12	2.23
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	19	2.23
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	19	2.23
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	19	2.23
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	14	2.23
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	14	2.23
(2,1755)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	14	2.23
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	11	2.23
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	8	2.23
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	8	2.23
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	8	2.23
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	11	2.23
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	11	2.23
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	11	2.23
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	12	2.23
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	12	2.23
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	12	2.23
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	13	2.23
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	13	2.23
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	13	2.23
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	16	2.23
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	16	2.23
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	16	2.23
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	1	2.23
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	2	2.23
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	3	2.23
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	5	2.23
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	10	2.23
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	15	2.23
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	16	2.23
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	5	2.23
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	6	2.23
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	6	2.23
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	6	2.23
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	12	2.23
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	5	2.23
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	8	2.23
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	15	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	5	2.23
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	17	2.23
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	9	2.23
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	9	2.23
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	3	2.23
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	16	2.23
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	3	2.23
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	3	2.23
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	3	2.23
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	3	2.23
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	3	2.23
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	3	2.23
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	3	2.23
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	3	2.23
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	3	2.23
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	12	2.23
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	12	2.23
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	12	2.23
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	12	2.23
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	12	2.23
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	12	2.23
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	12	2.23
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	12	2.23
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	12	2.23
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	15	2.23
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	15	2.23
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	15	2.23
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	15	2.23
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	15	2.23
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	15	2.23
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	15	2.23
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	15	2.23
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	15	2.23
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	4	2.23
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	2	2.23
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	2	2.23
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	2	2.23
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	3	2.23
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	3	2.23
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	3	2.23
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	5	2.23
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	5	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	5	2.23
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	8	2.23
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	8	2.23
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	8	2.23
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	10	2.23
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	10	2.23
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	10	2.23
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	15	2.23
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	15	2.23
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	15	2.23
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	16	2.23
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	16	2.23
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	16	2.23
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	18	2.23
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	18	2.23
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	18	2.23
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	16	2.23
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	6	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	1	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	1	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	1	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	2	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	2	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	2	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	3	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	3	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	3	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	4	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	4	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	4	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	5	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	5	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	5	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	6	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	6	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	6	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	7	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	7	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	7	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	8	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	8	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	8	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	9	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	9	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	9	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	10	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	10	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	10	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	11	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	11	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	11	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	12	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	12	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	12	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	13	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	13	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	13	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	14	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	14	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	14	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	15	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	15	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	15	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	16	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	16	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	16	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	17	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	17	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	17	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	18	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	18	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	18	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	19	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	19	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	19	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD11	20	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD12	20	2.23
(2,871)	1:48:A:ILE:HG12	1:48:A:ILE:HD13	20	2.23
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	8	2.23
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	12	2.23
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	16	2.23
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	19	2.23
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	6	2.23
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	6	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	6	2.23
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	11	2.23
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	11	2.23
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	11	2.23
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	13	2.23
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	13	2.23
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	13	2.23
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	18	2.23
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	18	2.23
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	18	2.23
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	6	2.23
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	17	2.23
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	20	2.23
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	5	2.23
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	5	2.23
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	5	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	1	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	1	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	1	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	3	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	3	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	3	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	4	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	4	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	4	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	5	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	5	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	5	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	6	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	6	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	6	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	7	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	7	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	7	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	8	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	8	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	8	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	10	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	10	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	10	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	11	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	11	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	11	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	12	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	12	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	12	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	13	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	13	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	13	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	14	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	14	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	14	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	18	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	18	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	18	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	19	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	19	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	19	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	20	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	20	2.23
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	20	2.23
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	15	2.23
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	10	2.23
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	18	2.23
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	2	2.23
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	2	2.23
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	8	2.23
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	8	2.23
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	11	2.23
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	11	2.23
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	19	2.23
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	19	2.23
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	7	2.23
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	7	2.23
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	7	2.23
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	2	2.23
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	17	2.23
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	4	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	1	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	2	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	3	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	4	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	5	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	6	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	7	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	9	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	10	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	11	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	12	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	13	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	14	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	15	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	16	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	18	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	19	2.22
(2,3189)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	20	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	1	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	1	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	1	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	2	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	2	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	2	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	3	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	3	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	3	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	5	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	5	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	5	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	7	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	7	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	7	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	8	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	8	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	8	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	15	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	15	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	15	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	16	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	16	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	16	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	18	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	18	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	18	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	20	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	20	2.22
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	20	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	7	2.22
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	13	2.22
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	16	2.22
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	19	2.22
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	2	2.22
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	2	2.22
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	2	2.22
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	4	2.22
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	4	2.22
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	4	2.22
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	7	2.22
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	7	2.22
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	7	2.22
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	12	2.22
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	12	2.22
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	12	2.22
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	13	2.22
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	13	2.22
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	13	2.22
(2,3124)	1:163:A:VAL:HG21	1:163:A:VAL:H	14	2.22
(2,3124)	1:163:A:VAL:HG22	1:163:A:VAL:H	14	2.22
(2,3124)	1:163:A:VAL:HG23	1:163:A:VAL:H	14	2.22
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	10	2.22
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	10	2.22
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	10	2.22
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	17	2.22
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	17	2.22
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	17	2.22
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	1	2.22
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	12	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	4	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	4	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	4	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	5	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	5	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	5	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	9	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	9	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	9	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	10	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	10	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	10	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	11	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	11	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	11	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	17	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	17	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	17	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	19	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	19	2.22
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	19	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	4	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	4	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	4	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	6	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	6	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	6	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	10	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	10	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	10	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	11	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	11	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	11	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	13	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	13	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	13	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	15	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	15	2.22
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	15	2.22
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	6	2.22
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	13	2.22
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	18	2.22
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	4	2.22
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	1	2.22
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	10	2.22
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	12	2.22
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	12	2.22
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	12	2.22
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	16	2.22
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	16	2.22
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	16	2.22
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	12	2.22
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	12	2.22
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	12	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	11	2.22
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	5	2.22
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	5	2.22
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	5	2.22
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	15	2.22
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	15	2.22
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	15	2.22
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	14	2.22
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	14	2.22
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	14	2.22
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	19	2.22
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	19	2.22
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	19	2.22
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	20	2.22
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	14	2.22
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	19	2.22
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	5	2.22
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	5	2.22
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	9	2.22
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	9	2.22
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	9	2.22
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	9	2.22
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	9	2.22
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	9	2.22
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	9	2.22
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	9	2.22
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	9	2.22
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	15	2.22
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	15	2.22
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	15	2.22
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	18	2.22
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	18	2.22
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	18	2.22
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	3	2.22
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	3	2.22
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	3	2.22
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	9	2.22
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	9	2.22
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	9	2.22
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	4	2.22
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	8	2.22
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	9	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	11	2.22
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	12	2.22
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	17	2.22
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	19	2.22
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	20	2.22
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	5	2.22
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	4	2.22
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	4	2.22
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	4	2.22
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	12	2.22
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	12	2.22
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	12	2.22
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	14	2.22
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	14	2.22
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	14	2.22
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	12	2.22
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	13	2.22
(2,1564)	1:79:A:MET:H	1:79:A:MET:HB2	17	2.22
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	1	2.22
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	1	2.22
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	1	2.22
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	5	2.22
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	5	2.22
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	5	2.22
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	7	2.22
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	7	2.22
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	7	2.22
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	9	2.22
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	9	2.22
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	9	2.22
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	10	2.22
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	10	2.22
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	10	2.22
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	11	2.22
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	11	2.22
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	11	2.22
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	12	2.22
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	12	2.22
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	12	2.22
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	13	2.22
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	13	2.22
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	13	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	14	2.22
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	14	2.22
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	14	2.22
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	15	2.22
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	15	2.22
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	15	2.22
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	14	2.22
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	14	2.22
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	14	2.22
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	9	2.22
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	11	2.22
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	12	2.22
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	13	2.22
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	19	2.22
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	20	2.22
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	9	2.22
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	6	2.22
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	6	2.22
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	11	2.22
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	11	2.22
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	7	2.22
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	16	2.22
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	16	2.22
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	3	2.22
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	3	2.22
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	3	2.22
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	17	2.22
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	17	2.22
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	17	2.22
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	14	2.22
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	14	2.22
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	14	2.22
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	18	2.22
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	18	2.22
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	18	2.22
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	16	2.22
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	5	2.22
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	5	2.22
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	5	2.22
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	6	2.22
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	6	2.22
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	6	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	14	2.22
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	14	2.22
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	14	2.22
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	9	2.22
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	14	2.22
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	16	2.22
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	17	2.22
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	3	2.22
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	4	2.22
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	9	2.22
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	11	2.22
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	11	2.22
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	11	2.22
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	17	2.22
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	17	2.22
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	17	2.22
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	17	2.22
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	17	2.22
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	17	2.22
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	17	2.22
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	17	2.22
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	17	2.22
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	19	2.22
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	19	2.22
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	19	2.22
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	19	2.22
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	19	2.22
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	19	2.22
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	19	2.22
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	19	2.22
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	19	2.22
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	2	2.22
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	2	2.22
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	2	2.22
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	4	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	2	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	2	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	2	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	9	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	9	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	9	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	15	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	15	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	15	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	16	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	16	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	16	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD11	17	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD12	17	2.22
(2,445)	1:36:A:LEU:HG	1:36:A:LEU:HD13	17	2.22
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	1	2.22
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	2	2.22
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	9	2.22
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	17	2.22
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	17	2.22
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD1	20	2.22
(2,415)	1:114:A:TYR:HB2	1:114:A:TYR:HD2	20	2.22
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	7	2.22
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	13	2.22
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	13	2.22
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	13	2.22
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	13	2.22
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	13	2.22
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	13	2.22
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	13	2.22
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	13	2.22
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	13	2.22
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	16	2.22
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	9	2.22
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	13	2.22
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	14	2.22
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	7	2.22
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	11	2.22
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	1	2.22
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	17	2.22
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	17	2.22
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	13	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	4	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	4	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	4	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	6	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	6	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	6	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	9	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	9	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	9	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	10	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	10	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	10	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	12	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	12	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	12	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	13	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	13	2.21
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	13	2.21
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	5	2.21
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	5	2.21
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	15	2.21
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	16	2.21
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	3	2.21
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	3	2.21
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	3	2.21
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	16	2.21
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	16	2.21
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	16	2.21
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	15	2.21
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	1	2.21
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	7	2.21
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	7	2.21
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	7	2.21
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	7	2.21
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	8	2.21
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	8	2.21
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	8	2.21
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	12	2.21
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	12	2.21
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	12	2.21
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	16	2.21
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	16	2.21
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	16	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	3	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	3	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	3	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	7	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	7	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	7	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	8	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	8	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	8	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	18	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	18	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	18	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	19	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	19	2.21
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	19	2.21
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	1	2.21
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	12	2.21
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	3	2.21
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	12	2.21
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	2	2.21
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	3	2.21
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	5	2.21
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	19	2.21
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	17	2.21
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	4	2.21
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	1	2.21
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	1	2.21
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	1	2.21
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	2	2.21
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	2	2.21
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	2	2.21
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	5	2.21
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	5	2.21
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	5	2.21
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	7	2.21
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	7	2.21
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	7	2.21
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	10	2.21
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	10	2.21
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	10	2.21
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	14	2.21
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	14	2.21
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	14	2.21
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	15	2.21
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	15	2.21
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	15	2.21
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	17	2.21
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	17	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	17	2.21
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	18	2.21
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	18	2.21
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	18	2.21
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	19	2.21
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	19	2.21
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	19	2.21
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	20	2.21
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	20	2.21
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	20	2.21
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	5	2.21
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	5	2.21
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	5	2.21
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	12	2.21
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	10	2.21
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	10	2.21
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	10	2.21
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	13	2.21
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	13	2.21
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	13	2.21
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	14	2.21
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	14	2.21
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	14	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	2	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	2	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	2	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	4	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	4	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	4	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	6	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	6	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	6	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	10	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	10	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	10	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	12	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	12	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	12	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	15	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	15	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	15	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	17	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	17	2.21
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	17	2.21
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	1	2.21
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	1	2.21
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	1	2.21
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	4	2.21
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	18	2.21
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	10	2.21
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	20	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	1	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	2	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	3	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	4	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	5	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	6	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	7	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	8	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	9	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	10	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	11	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	12	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	13	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	14	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	15	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	16	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	17	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	18	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	19	2.21
(2,1881)	1:118:A:LEU:HB2	1:118:A:LEU:HB3	20	2.21
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	15	2.21
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	15	2.21
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	6	2.21
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	16	2.21
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	5	2.21
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	5	2.21
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	5	2.21
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	20	2.21
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	20	2.21
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	20	2.21
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	1	2.21
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	1	2.21
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	1	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	5	2.21
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	5	2.21
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	5	2.21
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	7	2.21
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	7	2.21
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	7	2.21
(2,1677)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	6	2.21
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD11	17	2.21
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD12	17	2.21
(2,1642)	1:161:A:THR:HA	1:57:A:ILE:HD13	17	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	1	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	1	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	1	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	2	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	2	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	2	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	3	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	3	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	3	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	5	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	5	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	5	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	6	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	6	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	6	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	7	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	7	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	7	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	8	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	8	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	8	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	9	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	9	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	9	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	10	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	10	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	10	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	13	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	13	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	13	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	15	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	15	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	15	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	16	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	16	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	16	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	17	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	17	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	17	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	18	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	18	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	18	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	19	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	19	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	19	2.21
(2,1598)	1:138:A:VAL:HG21	1:138:A:VAL:HB	20	2.21
(2,1598)	1:138:A:VAL:HG22	1:138:A:VAL:HB	20	2.21
(2,1598)	1:138:A:VAL:HG23	1:138:A:VAL:HB	20	2.21
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	2	2.21
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	2	2.21
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	2	2.21
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	3	2.21
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	3	2.21
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	3	2.21
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	4	2.21
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	4	2.21
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	4	2.21
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	8	2.21
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	8	2.21
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	8	2.21
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	16	2.21
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	16	2.21
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	16	2.21
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	17	2.21
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	17	2.21
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	17	2.21
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	18	2.21
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	18	2.21
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	18	2.21
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	19	2.21
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	19	2.21
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	19	2.21
(2,1538)	1:85:A:ALA:HB1	1:85:A:ALA:H	20	2.21
(2,1538)	1:85:A:ALA:HB2	1:85:A:ALA:H	20	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1538)	1:85:A:ALA:HB3	1:85:A:ALA:H	20	2.21
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	9	2.21
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	9	2.21
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	9	2.21
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	19	2.21
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	19	2.21
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	19	2.21
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	16	2.21
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	9	2.21
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	9	2.21
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	9	2.21
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	14	2.21
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	16	2.21
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	9	2.21
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	6	2.21
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	17	2.21
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	17	2.21
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	13	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	1	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	1	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	1	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	2	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	2	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	2	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	4	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	4	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	4	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	5	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	5	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	5	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	10	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	10	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	10	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	11	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	11	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	11	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	19	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	19	2.21
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	19	2.21
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	2	2.21
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	2	2.21
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	2	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	9	2.21
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	9	2.21
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	9	2.21
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	5	2.21
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	7	2.21
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	11	2.21
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	11	2.21
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	11	2.21
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	16	2.21
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	16	2.21
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	16	2.21
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	20	2.21
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	20	2.21
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	20	2.21
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	4	2.21
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	4	2.21
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	4	2.21
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	4	2.21
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	4	2.21
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	4	2.21
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	4	2.21
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	4	2.21
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	4	2.21
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	10	2.21
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	10	2.21
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	10	2.21
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	10	2.21
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	10	2.21
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	10	2.21
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	10	2.21
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	10	2.21
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	10	2.21
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	17	2.21
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	9	2.21
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	9	2.21
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	9	2.21
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	17	2.21
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	20	2.21
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	9	2.21
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	12	2.21
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	1	2.21
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	5	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	11	2.21
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	13	2.21
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	15	2.21
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	18	2.21
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	20	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	1	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	1	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	1	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	7	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	7	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	7	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	8	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	8	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	8	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	9	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	9	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	9	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	10	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	10	2.21
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	10	2.21
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	5	2.21
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	11	2.21
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	16	2.21
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	20	2.21
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	12	2.21
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	12	2.21
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	12	2.21
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	14	2.21
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	14	2.21
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	14	2.21
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	10	2.21
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	6	2.21
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	6	2.21
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	6	2.21
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	1	2.21
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	10	2.21
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	14	2.21
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	5	2.21
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	9	2.21
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	10	2.21
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	12	2.21
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	13	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	18	2.21
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	15	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	1	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	2	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	3	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	4	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	5	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	6	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	7	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	8	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	9	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	10	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	11	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	12	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	13	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	14	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	15	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	16	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	17	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	19	2.21
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	20	2.21
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	6	2.21
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	20	2.21
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	20	2.21
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	3	2.21
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	5	2.21
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	8	2.21
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	14	2.21
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	17	2.2
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	8	2.2
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	17	2.2
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	17	2.2
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	17	2.2
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	19	2.2
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	19	2.2
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	19	2.2
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	2	2.2
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	2	2.2
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	2	2.2
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	8	2.2
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	8	2.2
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	8	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	19	2.2
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	19	2.2
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	19	2.2
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	8	2.2
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	9	2.2
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	11	2.2
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	13	2.2
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	13	2.2
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	13	2.2
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	1	2.2
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	1	2.2
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	1	2.2
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	9	2.2
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	9	2.2
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	9	2.2
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	12	2.2
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	3	2.2
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	15	2.2
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	16	2.2
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	11	2.2
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	4	2.2
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	8	2.2
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	15	2.2
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	2	2.2
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	4	2.2
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	4	2.2
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	4	2.2
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	6	2.2
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	6	2.2
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	6	2.2
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	13	2.2
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	13	2.2
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	13	2.2
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	13	2.2
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	13	2.2
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	13	2.2
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	4	2.2
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	1	2.2
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	1	2.2
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	1	2.2
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	3	2.2
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	3	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	3	2.2
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	7	2.2
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	7	2.2
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	7	2.2
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	11	2.2
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	11	2.2
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	11	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	5	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	5	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	5	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	7	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	7	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	7	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	8	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	8	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	8	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	9	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	9	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	9	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	13	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	13	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	13	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	18	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	18	2.2
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	18	2.2
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	1	2.2
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	1	2.2
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	1	2.2
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	7	2.2
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	7	2.2
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	7	2.2
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	9	2.2
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	9	2.2
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	9	2.2
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	11	2.2
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	11	2.2
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	11	2.2
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	20	2.2
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	20	2.2
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	20	2.2
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	7	2.2
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	7	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	7	2.2
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	7	2.2
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	20	2.2
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	20	2.2
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	20	2.2
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	20	2.2
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	5	2.2
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	11	2.2
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	16	2.2
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	20	2.2
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	17	2.2
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	17	2.2
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	13	2.2
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	13	2.2
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	1	2.2
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	1	2.2
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	1	2.2
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	1	2.2
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	1	2.2
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	1	2.2
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	1	2.2
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	1	2.2
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	1	2.2
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	19	2.2
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	19	2.2
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	19	2.2
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	19	2.2
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	19	2.2
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	19	2.2
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	19	2.2
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	19	2.2
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	19	2.2
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	20	2.2
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	20	2.2
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	20	2.2
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	20	2.2
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	20	2.2
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	20	2.2
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	20	2.2
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	20	2.2
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	20	2.2
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	4	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	4	2.2
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	4	2.2
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	7	2.2
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	7	2.2
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	7	2.2
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	10	2.2
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	10	2.2
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	10	2.2
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	17	2.2
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	17	2.2
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	17	2.2
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	16	2.2
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	16	2.2
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	16	2.2
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	6	2.2
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	18	2.2
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	18	2.2
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	18	2.2
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	20	2.2
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	20	2.2
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	20	2.2
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	11	2.2
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	3	2.2
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	3	2.2
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	3	2.2
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	17	2.2
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	17	2.2
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	17	2.2
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	13	2.2
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	13	2.2
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	13	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	4	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	4	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	4	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	5	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	5	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	5	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	6	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	6	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	6	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	8	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	8	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	8	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	11	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	11	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	11	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	12	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	12	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	12	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	14	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	14	2.2
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	14	2.2
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	7	2.2
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	3	2.2
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	3	2.2
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	5	2.2
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	5	2.2
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	14	2.2
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	14	2.2
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	5	2.2
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	16	2.2
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	7	2.2
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	7	2.2
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	7	2.2
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	13	2.2
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	13	2.2
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	13	2.2
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	5	2.2
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	5	2.2
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	5	2.2
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	12	2.2
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	2	2.2
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	2	2.2
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	2	2.2
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	10	2.2
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	10	2.2
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	10	2.2
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	18	2.2
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	18	2.2
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	18	2.2
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	6	2.2
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	6	2.2
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	6	2.2
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	6	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	6	2.2
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	6	2.2
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	6	2.2
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	6	2.2
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	6	2.2
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	18	2.2
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	18	2.2
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	18	2.2
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	18	2.2
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	18	2.2
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	18	2.2
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	18	2.2
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	18	2.2
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	18	2.2
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	3	2.2
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	4	2.2
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	7	2.2
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	18	2.2
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	6	2.2
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	6	2.2
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	6	2.2
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	6	2.2
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	17	2.2
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	18	2.2
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	18	2.2
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	18	2.2
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	3	2.2
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	3	2.2
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	3	2.2
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	3	2.2
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	3	2.2
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	3	2.2
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	3	2.2
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	3	2.2
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	3	2.2
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	10	2.2
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	10	2.2
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	10	2.2
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	10	2.2
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	10	2.2
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	10	2.2
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	10	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	10	2.2
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	10	2.2
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	6	2.2
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	15	2.2
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	19	2.2
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	6	2.2
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	7	2.2
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	11	2.2
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	14	2.2
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	7	2.2
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	20	2.2
(2,401)	1:134:A:ILE:HG12	1:134:A:ILE:HG13	18	2.2
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	9	2.2
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	7	2.2
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	7	2.2
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	7	2.2
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	7	2.2
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	7	2.2
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	7	2.2
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	7	2.2
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	7	2.2
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	7	2.2
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	8	2.2
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	8	2.2
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	8	2.2
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	8	2.2
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	8	2.2
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	8	2.2
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	8	2.2
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	8	2.2
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	8	2.2
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	20	2.2
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	20	2.2
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	20	2.2
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	20	2.2
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	20	2.2
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	20	2.2
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	20	2.2
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	20	2.2
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	20	2.2
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	5	2.2
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	14	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	9	2.2
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	13	2.19
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	2	2.19
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD11	14	2.19
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD12	14	2.19
(2,3185)	1:70:A:LEU:HB2	1:70:A:LEU:HD13	14	2.19
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	14	2.19
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	14	2.19
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	14	2.19
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	14	2.19
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	10	2.19
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	10	2.19
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	10	2.19
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	15	2.19
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	15	2.19
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	15	2.19
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	2	2.19
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	10	2.19
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	20	2.19
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	16	2.19
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	17	2.19
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	5	2.19
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	5	2.19
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	5	2.19
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	1	2.19
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	5	2.19
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	6	2.19
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	11	2.19
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	15	2.19
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	4	2.19
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	6	2.19
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	9	2.19
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	7	2.19
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	14	2.19
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	3	2.19
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	3	2.19
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	3	2.19
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	8	2.19
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	8	2.19
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	8	2.19
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	9	2.19
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	9	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	9	2.19
(2,2397)	1:163:A:VAL:HG21	1:163:A:VAL:HA	11	2.19
(2,2397)	1:163:A:VAL:HG22	1:163:A:VAL:HA	11	2.19
(2,2397)	1:163:A:VAL:HG23	1:163:A:VAL:HA	11	2.19
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	17	2.19
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	10	2.19
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	2	2.19
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	2	2.19
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	2	2.19
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	9	2.19
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	9	2.19
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	9	2.19
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	18	2.19
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	18	2.19
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	18	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	1	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	1	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	1	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	2	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	2	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	2	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	3	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	3	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	3	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	4	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	4	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	4	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	5	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	5	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	5	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	6	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	6	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	6	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	7	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	7	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	7	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	8	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	8	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	8	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	9	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	9	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	9	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	10	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	10	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	10	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	11	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	11	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	11	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	12	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	12	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	12	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	13	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	13	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	13	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	14	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	14	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	14	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	15	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	15	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	15	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	16	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	16	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	16	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	17	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	17	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	17	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	18	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	18	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	18	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	19	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	19	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	19	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	20	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	20	2.19
(2,2269)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	20	2.19
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	1	2.19
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	1	2.19
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	1	2.19
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	8	2.19
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	8	2.19
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	8	2.19
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	10	2.19
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	10	2.19
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	10	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	20	2.19
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	20	2.19
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	20	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	1	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	2	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	3	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	4	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	5	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	6	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	7	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	8	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	9	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	10	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	11	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	12	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	13	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	14	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	15	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	16	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	17	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	18	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	19	2.19
(2,2182)	1:61:A:ILE:HG12	1:61:A:ILE:HG13	20	2.19
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	11	2.19
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	11	2.19
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	11	2.19
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	5	2.19
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	13	2.19
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	3	2.19
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	3	2.19
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	3	2.19
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	6	2.19
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	6	2.19
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	6	2.19
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	18	2.19
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	18	2.19
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	18	2.19
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	14	2.19
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	14	2.19
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	14	2.19
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	9	2.19
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	10	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	20	2.19
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	20	2.19
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	8	2.19
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	8	2.19
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	7	2.19
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	7	2.19
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	7	2.19
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	7	2.19
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	7	2.19
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	7	2.19
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	7	2.19
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	7	2.19
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	7	2.19
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	16	2.19
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	16	2.19
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	16	2.19
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	16	2.19
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	16	2.19
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	16	2.19
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	16	2.19
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	16	2.19
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	16	2.19
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	5	2.19
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	1	2.19
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	1	2.19
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	1	2.19
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	12	2.19
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	12	2.19
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	12	2.19
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	3	2.19
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	3	2.19
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	3	2.19
(2,1722)	1:157:A:VAL:HG11	1:157:A:VAL:HA	15	2.19
(2,1722)	1:157:A:VAL:HG12	1:157:A:VAL:HA	15	2.19
(2,1722)	1:157:A:VAL:HG13	1:157:A:VAL:HA	15	2.19
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	4	2.19
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	4	2.19
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	4	2.19
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	17	2.19
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	17	2.19
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	17	2.19
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	18	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	4	2.19
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	4	2.19
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	4	2.19
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	19	2.19
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	19	2.19
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	19	2.19
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	10	2.19
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	10	2.19
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	10	2.19
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	16	2.19
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	16	2.19
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	16	2.19
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	20	2.19
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	20	2.19
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	20	2.19
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	12	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	1	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	1	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	7	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	7	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	8	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	8	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	12	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	12	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	13	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	13	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	15	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	15	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	16	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	16	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	19	2.19
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	19	2.19
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	20	2.19
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	13	2.19
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	13	2.19
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	20	2.19
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	20	2.19
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	2	2.19
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	6	2.19
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	6	2.19
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	6	2.19
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	18	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	18	2.19
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	18	2.19
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	1	2.19
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	1	2.19
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	1	2.19
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	7	2.19
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	7	2.19
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	7	2.19
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	17	2.19
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	17	2.19
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	17	2.19
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	6	2.19
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	6	2.19
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	6	2.19
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	6	2.19
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	7	2.19
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	7	2.19
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	7	2.19
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	12	2.19
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	12	2.19
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	12	2.19
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	15	2.19
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	15	2.19
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	15	2.19
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	19	2.19
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	19	2.19
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	19	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	8	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	8	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	8	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	8	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	8	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	8	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	8	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	8	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	8	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	9	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	9	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	9	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	9	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	9	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	9	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	9	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	9	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	9	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	14	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	14	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	14	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	14	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	14	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	14	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	14	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	14	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	14	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	17	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	17	2.19
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	17	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	17	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	17	2.19
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	17	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	17	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	17	2.19
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	17	2.19
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	1	2.19
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	20	2.19
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	1	2.19
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	2	2.19
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	2	2.19
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	2	2.19
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	6	2.19
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	6	2.19
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	6	2.19
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	14	2.19
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	14	2.19
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	14	2.19
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	15	2.19
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	15	2.19
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	15	2.19
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	9	2.19
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	9	2.19
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	9	2.19
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	9	2.19
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	9	2.19
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	9	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	9	2.19
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	9	2.19
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	9	2.19
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	4	2.19
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	2	2.19
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	18	2.19
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	2	2.19
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	4	2.19
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	8	2.19
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	17	2.19
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	19	2.19
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	1	2.19
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	11	2.19
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	11	2.19
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	11	2.19
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	19	2.19
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	19	2.19
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	19	2.19
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	2	2.19
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	2	2.19
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	2	2.19
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	14	2.19
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	14	2.19
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	14	2.19
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	15	2.19
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	15	2.19
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	15	2.19
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	20	2.19
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	20	2.19
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	20	2.19
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	1	2.19
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	5	2.19
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	13	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	2	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	2	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	2	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	2	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	2	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	2	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	2	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	2	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	2	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	6	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	6	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	6	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	6	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	6	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	6	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	6	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	6	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	6	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	10	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	10	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	10	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	10	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	10	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	10	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	10	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	10	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	10	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	11	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	11	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	11	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	11	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	11	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	11	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	11	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	11	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	11	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	14	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	14	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	14	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	14	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	14	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	14	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	14	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	14	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	14	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	15	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	15	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	15	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	15	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	15	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	15	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	15	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	15	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	15	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	18	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	18	2.19
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	18	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	18	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	18	2.19
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	18	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	18	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	18	2.19
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	18	2.19
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	5	2.19
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	11	2.19
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	5	2.19
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	19	2.19
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	2	2.19
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	18	2.19
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	20	2.19
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	3	2.19
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	10	2.19
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	10	2.19
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	13	2.18
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	5	2.18
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	11	2.18
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	11	2.18
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	11	2.18
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	16	2.18
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	4	2.18
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	4	2.18
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	4	2.18
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	4	2.18
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	4	2.18
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	10	2.18
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	14	2.18
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	18	2.18
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG21	1	2.18
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG22	1	2.18
(2,2894)	1:48:A:ILE:HA	1:48:A:ILE:HG23	1	2.18
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	19	2.18
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	19	2.18
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	19	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	16	2.18
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	16	2.18
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	16	2.18
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	2	2.18
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	3	2.18
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	10	2.18
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	16	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	1	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	1	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	1	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	3	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	3	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	3	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	4	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	4	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	4	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	5	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	5	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	5	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	7	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	7	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	7	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	8	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	8	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	8	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	10	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	10	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	10	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	11	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	11	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	11	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	12	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	12	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	12	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	13	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	13	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	13	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	15	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	15	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	15	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	16	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	16	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	16	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	17	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	17	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	17	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	18	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	18	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	18	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	19	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	19	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	19	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	20	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	20	2.18
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	20	2.18
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	5	2.18
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	20	2.18
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	6	2.18
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	11	2.18
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	20	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	1	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	1	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	1	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	2	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	2	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	2	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	3	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	3	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	3	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	4	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	4	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	4	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	5	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	5	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	5	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	6	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	6	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	6	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	7	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	7	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	7	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	8	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	8	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	8	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	9	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	9	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	9	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	10	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	10	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	10	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	11	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	11	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	11	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	12	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	12	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	12	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	13	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	13	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	13	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	14	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	14	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	14	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	15	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	15	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	15	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	16	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	16	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	16	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	17	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	17	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	17	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	18	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	18	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	18	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	19	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	19	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	19	2.18
(2,2436)	1:157:A:VAL:HG21	1:157:A:VAL:HB	20	2.18
(2,2436)	1:157:A:VAL:HG22	1:157:A:VAL:HB	20	2.18
(2,2436)	1:157:A:VAL:HG23	1:157:A:VAL:HB	20	2.18
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	3	2.18
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	3	2.18
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	3	2.18
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	7	2.18
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	7	2.18
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	7	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	7	2.18
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	9	2.18
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	4	2.18
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	4	2.18
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	4	2.18
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	8	2.18
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	8	2.18
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	8	2.18
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	6	2.18
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	6	2.18
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	6	2.18
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	14	2.18
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	14	2.18
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	14	2.18
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	15	2.18
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	15	2.18
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	15	2.18
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	18	2.18
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	16	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	2	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	2	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	2	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	4	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	4	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	4	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	5	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	5	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	5	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	9	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	9	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	9	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	10	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	10	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	10	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	14	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	14	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	14	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	15	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	15	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	15	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	17	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	17	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	17	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	19	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	19	2.18
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	19	2.18
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	12	2.18
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	12	2.18
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	12	2.18
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	1	2.18
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	19	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	1	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	2	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	3	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	4	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	6	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	7	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	8	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	9	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	10	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	12	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	13	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	14	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	15	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	17	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	18	2.18
(2,1889)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	19	2.18
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	12	2.18
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	12	2.18
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	12	2.18
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	12	2.18
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	12	2.18
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	12	2.18
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	12	2.18
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	12	2.18
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	12	2.18
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	18	2.18
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	18	2.18
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	18	2.18
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	18	2.18
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	18	2.18
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	18	2.18
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	18	2.18
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	18	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	18	2.18
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	1	2.18
(2,1858)	1:70:A:LEU:HB3	1:70:A:LEU:H	20	2.18
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	6	2.18
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	6	2.18
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	6	2.18
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	13	2.18
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	13	2.18
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	13	2.18
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	19	2.18
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	19	2.18
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	19	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	1	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	1	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	1	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	2	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	2	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	2	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	3	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	3	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	3	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	5	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	5	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	5	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	6	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	6	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	6	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	8	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	8	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	8	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	9	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	9	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	9	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	10	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	10	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	10	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	12	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	12	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	12	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	13	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	13	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	13	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	14	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	14	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	14	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	15	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	15	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	15	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	16	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	16	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	16	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	18	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	18	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	18	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	19	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	19	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	19	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	20	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	20	2.18
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	20	2.18
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	16	2.18
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	1	2.18
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	1	2.18
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	1	2.18
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	2	2.18
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	2	2.18
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	2	2.18
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	10	2.18
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	10	2.18
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	10	2.18
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	15	2.18
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	15	2.18
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	15	2.18
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	17	2.18
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	17	2.18
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	17	2.18
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	15	2.18
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	15	2.18
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	15	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	2	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	2	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	2	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	3	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	3	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	3	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	7	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	7	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	7	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	13	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	13	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	13	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	18	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	18	2.18
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	18	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	4	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	4	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	4	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	6	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	6	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	6	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	7	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	7	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	7	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	10	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	10	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	10	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	14	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	14	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	14	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	19	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	19	2.18
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	19	2.18
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	18	2.18
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	18	2.18
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	4	2.18
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	4	2.18
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	20	2.18
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	20	2.18
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	4	2.18
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	17	2.18
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	17	2.18
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	17	2.18
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	20	2.18
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	20	2.18
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	20	2.18
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	8	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	8	2.18
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	8	2.18
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	10	2.18
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	10	2.18
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	10	2.18
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	12	2.18
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	12	2.18
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	12	2.18
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	13	2.18
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	13	2.18
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	13	2.18
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	16	2.18
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	16	2.18
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	16	2.18
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	20	2.18
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	20	2.18
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	20	2.18
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	10	2.18
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	1	2.18
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	1	2.18
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	1	2.18
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	4	2.18
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	4	2.18
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	4	2.18
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	8	2.18
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	8	2.18
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	8	2.18
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	14	2.18
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	14	2.18
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	14	2.18
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	14	2.18
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	7	2.18
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	19	2.18
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	2	2.18
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	10	2.18
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	13	2.18
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG21	18	2.18
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG22	18	2.18
(2,731)	1:161:A:THR:HA	1:57:A:ILE:HG23	18	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	1	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	1	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	1	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	1	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	1	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	1	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	1	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	1	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	1	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	2	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	2	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	2	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	2	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	2	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	2	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	2	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	2	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	2	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	4	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	4	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	4	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	4	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	4	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	4	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	4	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	4	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	4	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	5	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	5	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	5	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	5	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	5	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	5	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	5	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	5	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	5	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	6	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	6	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	6	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	6	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	6	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	6	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	6	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	6	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	6	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	8	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	8	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	8	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	8	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	8	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	8	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	8	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	8	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	8	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	12	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	12	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	12	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	12	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	12	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	12	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	12	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	12	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	12	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	13	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	13	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	13	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	13	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	13	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	13	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	13	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	13	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	13	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	14	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	14	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	14	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	14	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	14	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	14	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	14	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	14	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	14	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	15	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	15	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	15	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	15	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	15	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	15	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	15	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	15	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	15	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	20	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	20	2.18
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	20	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	20	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	20	2.18
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	20	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	20	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	20	2.18
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	20	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	1	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	2	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	3	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	6	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	7	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	8	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	9	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	10	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	12	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	13	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	14	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	15	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	17	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	18	2.18
(2,712)	1:124:A:GLY:HA2	1:124:A:GLY:HA3	19	2.18
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	8	2.18
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	8	2.18
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	8	2.18
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	11	2.18
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	11	2.18
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	11	2.18
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	20	2.18
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	10	2.18
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	4	2.18
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	5	2.18
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	12	2.18
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	17	2.18
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	16	2.18
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	20	2.18
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	4	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	5	2.18
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	6	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	1	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	1	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	1	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	2	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	2	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	2	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	3	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	3	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	3	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	4	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	4	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	4	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	5	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	5	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	5	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	6	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	6	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	6	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	7	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	7	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	7	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	8	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	8	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	8	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	9	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	9	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	9	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	10	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	10	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	10	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	12	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	12	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	12	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	13	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	13	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	13	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	14	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	14	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	14	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	15	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	15	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	15	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	16	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	16	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	16	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	17	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	17	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	17	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	18	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	18	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	18	2.18
(2,411)	1:150:A:VAL:HG11	1:150:A:VAL:HB	20	2.18
(2,411)	1:150:A:VAL:HG12	1:150:A:VAL:HB	20	2.18
(2,411)	1:150:A:VAL:HG13	1:150:A:VAL:HB	20	2.18
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	15	2.18
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	15	2.18
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	15	2.18
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	9	2.18
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	9	2.18
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	9	2.18
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD11	11	2.18
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD12	11	2.18
(2,374)	1:74:A:LEU:HB3	1:74:A:LEU:HD13	11	2.18
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	16	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	1	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	1	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	1	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	1	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	1	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	1	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	1	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	1	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	1	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	3	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	3	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	3	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	3	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	3	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	3	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	3	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	3	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	3	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	4	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	4	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	4	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	4	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	4	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	4	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	4	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	4	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	4	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	5	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	5	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	5	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	5	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	5	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	5	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	5	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	5	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	5	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	9	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	9	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	9	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	9	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	9	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	9	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	9	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	9	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	9	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	12	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	12	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	12	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	12	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	12	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	12	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	12	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	12	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	12	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	16	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	16	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	16	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	16	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	16	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	16	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	16	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	16	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	16	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	17	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	17	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	17	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	17	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	17	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	17	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	17	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	17	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	17	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	19	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	19	2.18
(2,292)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	19	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	19	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	19	2.18
(2,292)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	19	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	19	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	19	2.18
(2,292)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	19	2.18
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	5	2.18
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	17	2.18
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	15	2.18
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	11	2.18
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	16	2.18
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	19	2.18
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	19	2.18
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	19	2.18
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	1	2.18
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	1	2.18
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	19	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	1	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	1	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	1	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	2	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	2	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	2	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	3	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	3	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	3	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	4	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	4	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	4	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	5	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	5	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	5	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	7	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	7	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	7	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	10	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	10	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	10	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	13	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	13	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	13	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	17	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	17	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	17	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	18	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	18	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	18	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	20	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	20	2.17
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	20	2.17
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	2	2.17
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	11	2.17
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	11	2.17
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	11	2.17
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	5	2.17
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	5	2.17
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	5	2.17
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	4	2.17
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	9	2.17
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	3	2.17
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	3	2.17
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	6	2.17
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	6	2.17
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	8	2.17
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	8	2.17
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	13	2.17
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	13	2.17
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	15	2.17
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	15	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	1	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	1	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	1	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	2	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	2	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	2	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	3	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	3	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	3	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	6	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	6	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	6	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	7	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	7	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	7	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	8	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	8	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	8	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	10	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	10	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	10	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	13	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	13	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	13	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	15	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	15	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	15	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	18	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	18	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	18	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	20	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	20	2.17
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	20	2.17
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	7	2.17
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	8	2.17
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	9	2.17
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	13	2.17
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	14	2.17
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	4	2.17
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	17	2.17
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	2	2.17
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	2	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	2	2.17
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	6	2.17
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	6	2.17
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	6	2.17
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	9	2.17
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	9	2.17
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	9	2.17
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD11	14	2.17
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD12	14	2.17
(2,2753)	1:48:A:ILE:HG13	1:48:A:ILE:HD13	14	2.17
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	19	2.17
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	12	2.17
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	6	2.17
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	9	2.17
(2,2521)	1:73:A:SER:HB3	1:73:A:SER:HA	16	2.17
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	9	2.17
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	12	2.17
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	18	2.17
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	17	2.17
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	17	2.17
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	17	2.17
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	19	2.17
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	19	2.17
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	19	2.17
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	20	2.17
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	20	2.17
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	20	2.17
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	1	2.17
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	3	2.17
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	8	2.17
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	1	2.17
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	1	2.17
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	1	2.17
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	9	2.17
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	8	2.17
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	8	2.17
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	8	2.17
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	11	2.17
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	11	2.17
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	11	2.17
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	12	2.17
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	12	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	12	2.17
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	16	2.17
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	16	2.17
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	16	2.17
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	20	2.17
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	20	2.17
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	20	2.17
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	4	2.17
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	6	2.17
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	6	2.17
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	9	2.17
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	9	2.17
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	16	2.17
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	16	2.17
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	16	2.17
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	20	2.17
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	20	2.17
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	20	2.17
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	4	2.17
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	4	2.17
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	4	2.17
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	5	2.17
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	5	2.17
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	5	2.17
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	7	2.17
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	7	2.17
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	7	2.17
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	11	2.17
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	11	2.17
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	11	2.17
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	12	2.17
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	12	2.17
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	12	2.17
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	15	2.17
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	15	2.17
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	15	2.17
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	17	2.17
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	17	2.17
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	17	2.17
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	20	2.17
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	20	2.17
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	20	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	7	2.17
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	7	2.17
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	7	2.17
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	11	2.17
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	11	2.17
(2,1582)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	11	2.17
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	11	2.17
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	20	2.17
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	6	2.17
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	6	2.17
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	6	2.17
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	7	2.17
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	7	2.17
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	7	2.17
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	8	2.17
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	8	2.17
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	8	2.17
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	13	2.17
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	13	2.17
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	13	2.17
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	18	2.17
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	18	2.17
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	18	2.17
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	20	2.17
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	20	2.17
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	20	2.17
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	15	2.17
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	15	2.17
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	15	2.17
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	17	2.17
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	17	2.17
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	17	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	1	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	1	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	1	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	2	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	2	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	2	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	3	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	3	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	3	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	5	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	5	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	5	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	8	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	8	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	8	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	9	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	9	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	9	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	11	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	11	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	11	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	12	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	12	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	12	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	13	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	13	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	13	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	15	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	15	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	15	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	16	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	16	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	16	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	17	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	17	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	17	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	18	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	18	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	18	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG21	20	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG22	20	2.17
(2,1411)	1:163:A:VAL:HB	1:163:A:VAL:HG23	20	2.17
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	8	2.17
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	6	2.17
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	2	2.17
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	11	2.17
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	2	2.17
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	2	2.17
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	10	2.17
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	10	2.17
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	8	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	2	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	3	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	4	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	5	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	6	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	7	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	8	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	9	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	10	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	11	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	12	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	13	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	14	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	15	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	16	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	17	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	18	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	19	2.17
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	20	2.17
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	5	2.17
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	12	2.17
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	3	2.17
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	3	2.17
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	3	2.17
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	15	2.17
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	15	2.17
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	15	2.17
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	19	2.17
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	19	2.17
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	19	2.17
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	20	2.17
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	13	2.17
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	13	2.17
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	13	2.17
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	13	2.17
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	13	2.17
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	13	2.17
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	13	2.17
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	13	2.17
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	13	2.17
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	20	2.17
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	20	2.17
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	20	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	20	2.17
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	20	2.17
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	20	2.17
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	20	2.17
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	20	2.17
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	20	2.17
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	6	2.17
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	14	2.17
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	18	2.17
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	20	2.17
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	5	2.17
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	19	2.17
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	2	2.17
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	7	2.17
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	10	2.17
(2,793)	1:68:A:LYS:HA	1:68:A:LYS:HG3	14	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	5	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	5	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	5	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	12	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	12	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	12	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	13	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	13	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	13	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	16	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	16	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	16	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	19	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	19	2.17
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	19	2.17
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	11	2.17
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	7	2.17
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	7	2.17
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	7	2.17
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	7	2.17
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	7	2.17
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	7	2.17
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	7	2.17
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	7	2.17
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	7	2.17
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	17	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	17	2.17
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	19	2.17
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	19	2.17
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	20	2.17
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	20	2.17
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	7	2.17
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	12	2.17
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	9	2.17
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	17	2.17
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	19	2.17
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	16	2.17
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	4	2.17
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	9	2.17
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	20	2.17
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	1	2.17
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	7	2.17
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	12	2.17
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	9	2.17
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	5	2.17
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	19	2.17
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	9	2.17
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	9	2.17
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	9	2.17
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	20	2.17
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	13	2.17
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	13	2.17
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	15	2.17
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	15	2.17
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	19	2.17
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	19	2.17
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	19	2.17
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	19	2.17
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	20	2.17
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	20	2.17
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	1	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	6	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	6	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	6	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	8	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	8	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	8	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	9	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	9	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	9	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	12	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	12	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	12	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	14	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	14	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	14	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	15	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	15	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	15	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	16	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	16	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	16	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD11	19	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD12	19	2.16
(2,3171)	1:18:A:ILE:HG13	1:18:A:ILE:HD13	19	2.16
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	2	2.16
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	6	2.16
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	6	2.16
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	6	2.16
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	14	2.16
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	14	2.16
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	14	2.16
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	14	2.16
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	5	2.16
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	1	2.16
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	1	2.16
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	7	2.16
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	7	2.16
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	12	2.16
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	12	2.16
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	20	2.16
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	20	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	4	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	4	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	4	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	5	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	5	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	5	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	9	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	9	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	9	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	14	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	14	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	14	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	16	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	16	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	16	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	17	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	17	2.16
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	17	2.16
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	17	2.16
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	19	2.16
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	20	2.16
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	14	2.16
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	16	2.16
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	18	2.16
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	19	2.16
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	20	2.16
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	17	2.16
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	10	2.16
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	17	2.16
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	8	2.16
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	7	2.16
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	7	2.16
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	7	2.16
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	7	2.16
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	7	2.16
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	7	2.16
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	7	2.16
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	7	2.16
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	7	2.16
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	12	2.16
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	12	2.16
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	12	2.16
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	12	2.16
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	12	2.16
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	12	2.16
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	12	2.16
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	12	2.16
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	12	2.16
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	18	2.16
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	18	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	18	2.16
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	18	2.16
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	18	2.16
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	18	2.16
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	18	2.16
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	18	2.16
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	18	2.16
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	20	2.16
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	20	2.16
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	20	2.16
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	4	2.16
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	4	2.16
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	4	2.16
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	16	2.16
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	16	2.16
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	16	2.16
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	11	2.16
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	12	2.16
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	12	2.16
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	12	2.16
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	17	2.16
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	19	2.16
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	10	2.16
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	20	2.16
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	10	2.16
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	10	2.16
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	10	2.16
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	4	2.16
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	17	2.16
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	7	2.16
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	7	2.16
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	7	2.16
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	2	2.16
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	2	2.16
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	2	2.16
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	7	2.16
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	7	2.16
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	7	2.16
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	8	2.16
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	8	2.16
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	8	2.16
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	9	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	9	2.16
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	9	2.16
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	10	2.16
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	10	2.16
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	10	2.16
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	11	2.16
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	11	2.16
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	11	2.16
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	8	2.16
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	17	2.16
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	11	2.16
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	11	2.16
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	11	2.16
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	16	2.16
(2,1877)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	16	2.16
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	19	2.16
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	14	2.16
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	14	2.16
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	14	2.16
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	2	2.16
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	2	2.16
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	2	2.16
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	3	2.16
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	3	2.16
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	3	2.16
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	8	2.16
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	8	2.16
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	8	2.16
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	10	2.16
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	10	2.16
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	10	2.16
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	14	2.16
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	14	2.16
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	14	2.16
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	16	2.16
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	16	2.16
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	16	2.16
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	18	2.16
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	18	2.16
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	18	2.16
(2,1645)	1:58:A:PRO:HD2	1:59:A:TYR:H	3	2.16
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	5	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	5	2.16
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	5	2.16
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	9	2.16
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	9	2.16
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	9	2.16
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	16	2.16
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	16	2.16
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	16	2.16
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	10	2.16
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	10	2.16
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	10	2.16
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	19	2.16
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	19	2.16
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	19	2.16
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	18	2.16
(2,1270)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	18	2.16
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	12	2.16
(2,1183)	1:7:A:TYR:HB2	1:7:A:TYR:HB3	1	2.16
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	17	2.16
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	14	2.16
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	14	2.16
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	14	2.16
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	16	2.16
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	16	2.16
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	16	2.16
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	20	2.16
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	20	2.16
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	20	2.16
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	17	2.16
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	4	2.16
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	4	2.16
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	4	2.16
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	19	2.16
(2,1020)	1:65:A:ILE:HG21	1:66:A:GLY:H	9	2.16
(2,1020)	1:65:A:ILE:HG22	1:66:A:GLY:H	9	2.16
(2,1020)	1:65:A:ILE:HG23	1:66:A:GLY:H	9	2.16
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	19	2.16
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	19	2.16
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	19	2.16
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	19	2.16
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	19	2.16
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	19	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	19	2.16
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	19	2.16
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	19	2.16
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	14	2.16
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	15	2.16
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	13	2.16
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	13	2.16
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	13	2.16
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	4	2.16
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	4	2.16
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	4	2.16
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	17	2.16
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	17	2.16
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	17	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	1	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	2	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	3	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	4	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	5	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	6	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	7	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	8	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	9	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	10	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	11	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	12	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	13	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	14	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	15	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	16	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	17	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	18	2.16
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	19	2.16
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	11	2.16
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	11	2.16
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	11	2.16
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	11	2.16
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	11	2.16
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	11	2.16
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	11	2.16
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	11	2.16
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	11	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	16	2.16
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	16	2.16
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	16	2.16
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	16	2.16
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	16	2.16
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	16	2.16
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	16	2.16
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	16	2.16
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	16	2.16
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG21	18	2.16
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	18	2.16
(2,717)	1:100:A:ILE:HD11	1:100:A:ILE:HG23	18	2.16
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG21	18	2.16
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG22	18	2.16
(2,717)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	18	2.16
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	18	2.16
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG22	18	2.16
(2,717)	1:100:A:ILE:HD13	1:100:A:ILE:HG23	18	2.16
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	20	2.16
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	4	2.16
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	4	2.16
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	6	2.16
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	6	2.16
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	8	2.16
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	8	2.16
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	12	2.16
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	12	2.16
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	12	2.16
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	15	2.16
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	15	2.16
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	15	2.16
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	19	2.16
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	19	2.16
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	19	2.16
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	17	2.16
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	17	2.16
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	17	2.16
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	7	2.16
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	8	2.16
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	13	2.16
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	16	2.16
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	20	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	14	2.16
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	8	2.16
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	12	2.16
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	16	2.16
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	19	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	1	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	2	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	3	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	6	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	7	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	8	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	9	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	10	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	14	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	15	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	17	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	18	2.16
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	19	2.16
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	15	2.16
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	19	2.16
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	16	2.16
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	16	2.16
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	2	2.16
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	10	2.16
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	18	2.16
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	3	2.16
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	6	2.16
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	2	2.16
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	4	2.16
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	10	2.16
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	15	2.16
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	13	2.16
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	13	2.16
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	13	2.16
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	20	2.16
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	1	2.16
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	2	2.16
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	7	2.16
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	15	2.16
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	9	2.16
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	9	2.16
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	17	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	17	2.16
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	3	2.16
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	2	2.16
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	2	2.16
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	18	2.16
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	18	2.16
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	16	2.15
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	14	2.15
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	1	2.15
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	1	2.15
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	1	2.15
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	1	2.15
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	5	2.15
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	5	2.15
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	11	2.15
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	11	2.15
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	14	2.15
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	14	2.15
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	11	2.15
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	11	2.15
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	11	2.15
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	4	2.15
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	4	2.15
(2,2786)	1:134:A:ILE:HG13	1:134:A:ILE:HB	18	2.15
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	1	2.15
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	2	2.15
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	3	2.15
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	5	2.15
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	6	2.15
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	7	2.15
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	9	2.15
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	10	2.15
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	11	2.15
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	12	2.15
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	13	2.15
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	15	2.15
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	2	2.15
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	19	2.15
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	18	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	1	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	1	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	1	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	1	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	1	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	1	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	1	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	1	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	1	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	2	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	2	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	2	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	2	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	2	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	2	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	2	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	2	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	2	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	4	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	4	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	4	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	4	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	4	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	4	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	4	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	4	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	4	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	5	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	5	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	5	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	5	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	5	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	5	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	5	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	5	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	5	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	6	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	6	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	6	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	6	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	6	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	6	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	6	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	6	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	6	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	8	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	8	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	8	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	8	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	8	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	8	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	8	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	8	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	8	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	9	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	9	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	9	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	9	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	9	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	9	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	9	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	9	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	9	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	10	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	10	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	10	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	10	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	10	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	10	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	10	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	10	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	10	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	11	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	11	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	11	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	11	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	11	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	11	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	11	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	11	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	11	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	14	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	14	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	14	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	14	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	14	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	14	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	14	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	14	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	14	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	16	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	16	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	16	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	16	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	16	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	16	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	16	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	16	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	16	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	17	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	17	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	17	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	17	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	17	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	17	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	17	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	17	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	17	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	19	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	19	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	19	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	19	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	19	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	19	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	19	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	19	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	19	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	20	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	20	2.15
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	20	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	20	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	20	2.15
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	20	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	20	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	20	2.15
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	20	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	1	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	2	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	3	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	4	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	7	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	9	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	10	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	11	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	12	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	13	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	15	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	16	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	17	2.15
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	19	2.15
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	5	2.15
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	5	2.15
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	5	2.15
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	15	2.15
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	16	2.15
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	16	2.15
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	16	2.15
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	3	2.15
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	3	2.15
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	3	2.15
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	12	2.15
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	12	2.15
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	12	2.15
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	13	2.15
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	13	2.15
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	13	2.15
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	16	2.15
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	16	2.15
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	16	2.15
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	6	2.15
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	10	2.15
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	13	2.15
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	14	2.15
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	18	2.15
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	2	2.15
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	1	2.15
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	13	2.15
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	13	2.15
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	13	2.15
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	3	2.15
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	3	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	3	2.15
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	4	2.15
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	4	2.15
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	4	2.15
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	6	2.15
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	6	2.15
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	6	2.15
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	13	2.15
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	13	2.15
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	13	2.15
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	15	2.15
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	15	2.15
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	15	2.15
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	16	2.15
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	16	2.15
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	16	2.15
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	17	2.15
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	17	2.15
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	17	2.15
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	19	2.15
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	19	2.15
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	19	2.15
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	4	2.15
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	15	2.15
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	6	2.15
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	6	2.15
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	6	2.15
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	9	2.15
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	9	2.15
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	9	2.15
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	14	2.15
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	14	2.15
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	14	2.15
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	14	2.15
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	4	2.15
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	6	2.15
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	12	2.15
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	15	2.15
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	18	2.15
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	20	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	3	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	3	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	3	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	4	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	4	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	4	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	5	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	5	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	5	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	7	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	7	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	7	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	16	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	16	2.15
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	16	2.15
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	5	2.15
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	5	2.15
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	5	2.15
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	9	2.15
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	9	2.15
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	9	2.15
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	10	2.15
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	10	2.15
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	10	2.15
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	11	2.15
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	11	2.15
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	11	2.15
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	14	2.15
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	14	2.15
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	14	2.15
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	15	2.15
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	15	2.15
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	15	2.15
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	18	2.15
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	18	2.15
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	18	2.15
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	20	2.15
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	20	2.15
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	20	2.15
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	11	2.15
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	5	2.15
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	19	2.15
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	1	2.15
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	1	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	1	2.15
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	6	2.15
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	6	2.15
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	6	2.15
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	8	2.15
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	8	2.15
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	8	2.15
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	14	2.15
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	14	2.15
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	14	2.15
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	15	2.15
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	15	2.15
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	15	2.15
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	18	2.15
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	18	2.15
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	18	2.15
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	7	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	1	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	1	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	1	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	2	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	2	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	2	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	3	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	3	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	3	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	4	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	4	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	4	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	5	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	5	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	5	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	6	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	6	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	6	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	7	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	7	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	7	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	8	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	8	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	8	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	9	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	9	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	9	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	10	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	10	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	10	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	11	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	11	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	11	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	12	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	12	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	12	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	13	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	13	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	13	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	15	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	15	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	15	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	17	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	17	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	17	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	18	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	18	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	18	2.15
(2,1092)	1:128:A:THR:HG21	1:128:A:THR:HB	19	2.15
(2,1092)	1:128:A:THR:HG22	1:128:A:THR:HB	19	2.15
(2,1092)	1:128:A:THR:HG23	1:128:A:THR:HB	19	2.15
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	5	2.15
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	2	2.15
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	8	2.15
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	13	2.15
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	17	2.15
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	7	2.15
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	7	2.15
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	7	2.15
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	7	2.15
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	7	2.15
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	7	2.15
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	7	2.15
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	7	2.15
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	7	2.15
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	20	2.15
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	20	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	20	2.15
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	20	2.15
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	20	2.15
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	20	2.15
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	20	2.15
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	20	2.15
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	20	2.15
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	20	2.15
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	20	2.15
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	20	2.15
(2,768)	1:48:A:ILE:HG12	1:48:A:ILE:HG13	20	2.15
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	18	2.15
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	18	2.15
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	18	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	4	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	4	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	4	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	4	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	4	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	4	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	4	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	4	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	4	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	6	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	6	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	6	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	6	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	6	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	6	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	6	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	6	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	6	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	13	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	13	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	13	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	13	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	13	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	13	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	13	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	13	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	13	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	18	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	18	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	18	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	18	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	18	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	18	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	18	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	18	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	18	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	20	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	20	2.15
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	20	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	20	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	20	2.15
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	20	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	20	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	20	2.15
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	20	2.15
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	2	2.15
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	2	2.15
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	3	2.15
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	3	2.15
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	9	2.15
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	9	2.15
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	11	2.15
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	11	2.15
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	16	2.15
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	16	2.15
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	2	2.15
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	2	2.15
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	2	2.15
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	3	2.15
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	3	2.15
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	3	2.15
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	4	2.15
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	4	2.15
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	4	2.15
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	5	2.15
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	5	2.15
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	5	2.15
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	7	2.15
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	7	2.15
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	7	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	9	2.15
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	9	2.15
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	9	2.15
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	14	2.15
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	14	2.15
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	14	2.15
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	18	2.15
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	18	2.15
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	18	2.15
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	20	2.15
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	20	2.15
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	20	2.15
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	12	2.15
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	12	2.15
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	12	2.15
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	11	2.15
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	8	2.15
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	8	2.15
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	8	2.15
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	15	2.15
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	15	2.15
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	15	2.15
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	4	2.15
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	12	2.15
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	12	2.15
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	12	2.15
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	15	2.15
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	15	2.15
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	15	2.15
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	5	2.15
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	12	2.15
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	13	2.15
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	16	2.15
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	5	2.15
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	12	2.15
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	17	2.15
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	10	2.15
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	14	2.15
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	4	2.15
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	5	2.15
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	6	2.15
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	7	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	12	2.15
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	16	2.15
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	19	2.15
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	8	2.15
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	15	2.15
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	8	2.15
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	12	2.15
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	14	2.15
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	1	2.15
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	3	2.15
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	6	2.15
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	7	2.15
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	9	2.15
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	12	2.15
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	13	2.15
(2,88)	1:123:A:TYR:HB3	1:123:A:TYR:HA	18	2.15
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	4	2.15
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	13	2.15
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	16	2.15
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	19	2.15
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	3	2.15
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	3	2.15
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	6	2.15
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	6	2.15
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	7	2.15
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	7	2.15
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	18	2.15
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	18	2.15
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	5	2.15
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	5	2.15
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	9	2.15
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	9	2.15
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	12	2.15
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	12	2.15
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	16	2.15
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	16	2.15
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	3	2.14
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	6	2.14
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	6	2.14
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	20	2.14
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	20	2.14
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	20	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	1	2.14
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	1	2.14
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	1	2.14
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	11	2.14
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	2	2.14
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	2	2.14
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	9	2.14
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	9	2.14
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	16	2.14
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	16	2.14
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	20	2.14
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	20	2.14
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	19	2.14
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	19	2.14
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	19	2.14
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	13	2.14
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	19	2.14
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	20	2.14
(2,2765)	1:127:A:GLY:H	1:127:A:GLY:HA3	8	2.14
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	10	2.14
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	8	2.14
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	3	2.14
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	3	2.14
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	3	2.14
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	3	2.14
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	3	2.14
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	3	2.14
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	3	2.14
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	3	2.14
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	3	2.14
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	13	2.14
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	13	2.14
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	13	2.14
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	13	2.14
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	13	2.14
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	13	2.14
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	13	2.14
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	13	2.14
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	13	2.14
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	15	2.14
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	15	2.14
(2,2571)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	15	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	15	2.14
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	15	2.14
(2,2571)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	15	2.14
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	15	2.14
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	15	2.14
(2,2571)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	15	2.14
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	5	2.14
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	6	2.14
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	8	2.14
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	14	2.14
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	18	2.14
(2,2462)	1:118:A:LEU:HA	1:118:A:LEU:H	20	2.14
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	2	2.14
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	15	2.14
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	5	2.14
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	5	2.14
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	5	2.14
(2,2195)	1:90:A:LEU:HD11	1:90:A:LEU:HA	18	2.14
(2,2195)	1:90:A:LEU:HD12	1:90:A:LEU:HA	18	2.14
(2,2195)	1:90:A:LEU:HD13	1:90:A:LEU:HA	18	2.14
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	3	2.14
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	1	2.14
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	2	2.14
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	3	2.14
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	5	2.14
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	8	2.14
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	9	2.14
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	12	2.14
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	15	2.14
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG21	1	2.14
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG22	1	2.14
(2,2011)	1:48:A:ILE:HA	1:48:A:ILE:HG23	1	2.14
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	1	2.14
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	1	2.14
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	1	2.14
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	5	2.14
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	5	2.14
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	5	2.14
(2,1992)	1:74:A:LEU:HD21	1:74:A:LEU:HA	18	2.14
(2,1992)	1:74:A:LEU:HD22	1:74:A:LEU:HA	18	2.14
(2,1992)	1:74:A:LEU:HD23	1:74:A:LEU:HA	18	2.14
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	17	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	1	2.14
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	1	2.14
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	16	2.14
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	16	2.14
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD11	15	2.14
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD12	15	2.14
(2,1875)	1:156:A:ILE:HG21	1:156:A:ILE:HD13	15	2.14
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD11	15	2.14
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD12	15	2.14
(2,1875)	1:156:A:ILE:HG22	1:156:A:ILE:HD13	15	2.14
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD11	15	2.14
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD12	15	2.14
(2,1875)	1:156:A:ILE:HG23	1:156:A:ILE:HD13	15	2.14
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	11	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	3	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	3	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	3	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	5	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	5	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	5	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	8	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	8	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	8	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	9	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	9	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	9	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	13	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	13	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	13	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	15	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	15	2.14
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	15	2.14
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	14	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	1	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	2	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	3	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	4	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	5	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	7	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	8	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	9	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	10	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	11	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	13	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	14	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	16	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	17	2.14
(2,1463)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	19	2.14
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	2	2.14
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	2	2.14
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	2	2.14
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	17	2.14
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	17	2.14
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	17	2.14
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	1	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	1	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	1	2.14
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	2	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	2	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	2	2.14
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	3	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	3	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	3	2.14
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	4	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	4	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	4	2.14
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	6	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	6	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	6	2.14
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	7	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	7	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	7	2.14
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	8	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	8	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	8	2.14
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	12	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	12	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	12	2.14
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	13	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	13	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	13	2.14
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	16	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	16	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	16	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	17	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	17	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	17	2.14
(2,1425)	1:157:A:VAL:HG11	1:157:A:VAL:HB	19	2.14
(2,1425)	1:157:A:VAL:HG12	1:157:A:VAL:HB	19	2.14
(2,1425)	1:157:A:VAL:HG13	1:157:A:VAL:HB	19	2.14
(2,1398)	1:122:A:HIS:HB2	1:122:A:HIS:H	19	2.14
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	4	2.14
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	19	2.14
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	15	2.14
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	14	2.14
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	2	2.14
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	2	2.14
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	11	2.14
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	11	2.14
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	2	2.14
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	2	2.14
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	2	2.14
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	3	2.14
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	3	2.14
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	3	2.14
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	4	2.14
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	4	2.14
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	4	2.14
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	5	2.14
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	5	2.14
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	5	2.14
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	16	2.14
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	16	2.14
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	16	2.14
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	19	2.14
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	19	2.14
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	19	2.14
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	13	2.14
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	19	2.14
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	13	2.14
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	14	2.14
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	16	2.14
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	5	2.14
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	5	2.14
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	5	2.14
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	5	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	5	2.14
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	5	2.14
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	5	2.14
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	5	2.14
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	5	2.14
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	6	2.14
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	11	2.14
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	13	2.14
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	1	2.14
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	1	2.14
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	3	2.14
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	14	2.14
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	14	2.14
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	14	2.14
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	14	2.14
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	14	2.14
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	14	2.14
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	14	2.14
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	14	2.14
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	14	2.14
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	16	2.14
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	16	2.14
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	16	2.14
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	16	2.14
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	16	2.14
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	16	2.14
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	16	2.14
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	16	2.14
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	16	2.14
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	20	2.14
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	20	2.14
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	20	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	1	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	1	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	1	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	1	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	1	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	1	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	1	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	1	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	1	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	2	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	2	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	2	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	2	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	2	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	2	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	2	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	2	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	2	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	3	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	3	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	3	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	3	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	3	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	3	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	3	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	3	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	3	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	5	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	5	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	5	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	5	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	5	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	5	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	5	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	5	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	5	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	7	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	7	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	7	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	7	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	7	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	7	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	7	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	7	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	7	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	8	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	8	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	8	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	8	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	8	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	8	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	8	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	8	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	8	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	9	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	9	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	9	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	9	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	9	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	9	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	9	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	9	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	9	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	10	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	10	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	10	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	10	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	10	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	10	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	10	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	10	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	10	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	11	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	11	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	11	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	11	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	11	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	11	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	11	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	11	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	11	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	12	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	12	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	12	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	12	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	12	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	12	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	12	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	12	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	12	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	14	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	14	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	14	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	14	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	14	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	14	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	14	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	14	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	14	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	15	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	15	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	15	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	15	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	15	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	15	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	15	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	15	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	15	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	16	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	16	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	16	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	16	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	16	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	16	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	16	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	16	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	16	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	17	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	17	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	17	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	17	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	17	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	17	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	17	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	17	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	17	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG21	19	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG22	19	2.14
(2,733)	1:138:A:VAL:HG11	1:138:A:VAL:HG23	19	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG21	19	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG22	19	2.14
(2,733)	1:138:A:VAL:HG12	1:138:A:VAL:HG23	19	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG21	19	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG22	19	2.14
(2,733)	1:138:A:VAL:HG13	1:138:A:VAL:HG23	19	2.14
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	9	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	7	2.14
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	7	2.14
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	10	2.14
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	10	2.14
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	12	2.14
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	12	2.14
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	15	2.14
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	15	2.14
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	18	2.14
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	18	2.14
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	1	2.14
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	1	2.14
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	1	2.14
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	10	2.14
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	10	2.14
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	10	2.14
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	13	2.14
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	13	2.14
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	13	2.14
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	16	2.14
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	16	2.14
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	16	2.14
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	18	2.14
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	18	2.14
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	18	2.14
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	19	2.14
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	19	2.14
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	19	2.14
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	19	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	1	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	1	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	1	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	2	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	2	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	2	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	3	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	3	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	3	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	4	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	4	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	4	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	5	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	5	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	5	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	6	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	6	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	6	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	7	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	7	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	7	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	9	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	9	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	9	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	10	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	10	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	10	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	12	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	12	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	12	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	13	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	13	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	13	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	14	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	14	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	14	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	16	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	16	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	16	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	17	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	17	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	17	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	18	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	18	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	18	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	19	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	19	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	19	2.14
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	20	2.14
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	20	2.14
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	20	2.14
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	11	2.14
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	3	2.14
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	9	2.14
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	11	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	15	2.14
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	18	2.14
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	20	2.14
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	5	2.14
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	7	2.14
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	13	2.14
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	10	2.14
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	10	2.14
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	10	2.14
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	1	2.14
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	1	2.14
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	1	2.14
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	4	2.14
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	4	2.14
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	4	2.14
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	8	2.14
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	8	2.14
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	8	2.14
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	9	2.14
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	9	2.14
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	9	2.14
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	14	2.14
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	14	2.14
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	14	2.14
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	16	2.14
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	16	2.14
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	16	2.14
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	11	2.14
(2,316)	1:118:A:LEU:HB3	1:118:A:LEU:HA	20	2.14
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	4	2.14
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	2	2.14
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	10	2.14
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	15	2.14
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	3	2.14
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	15	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	1	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	2	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	3	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	8	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	9	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	10	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	11	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	13	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	14	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	15	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	17	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	18	2.14
(2,183)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	20	2.14
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	1	2.14
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	6	2.14
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	1	2.14
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	13	2.14
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	17	2.14
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	17	2.14
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	17	2.14
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	5	2.14
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	8	2.14
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	8	2.14
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	10	2.14
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	10	2.14
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	14	2.14
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	14	2.14
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	7	2.14
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	7	2.14
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	11	2.14
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	11	2.14
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	14	2.14
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	14	2.14
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	8	2.13
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	7	2.13
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	8	2.13
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	12	2.13
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	16	2.13
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	18	2.13
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	18	2.13
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	18	2.13
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	18	2.13
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	18	2.13
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	18	2.13
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	19	2.13
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	19	2.13
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	1	2.13
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	2	2.13
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	7	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	8	2.13
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	10	2.13
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	14	2.13
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	15	2.13
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	16	2.13
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	17	2.13
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	1	2.13
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	4	2.13
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	7	2.13
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	12	2.13
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	18	2.13
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	17	2.13
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	17	2.13
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	17	2.13
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	6	2.13
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	17	2.13
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	17	2.13
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	17	2.13
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	6	2.13
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	3	2.13
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	3	2.13
(2,2231)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	3	2.13
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	4	2.13
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	4	2.13
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	4	2.13
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	17	2.13
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	17	2.13
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	17	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	1	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	1	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	1	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	2	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	2	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	2	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	3	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	3	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	3	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	4	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	4	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	4	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	5	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	5	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	5	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	6	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	6	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	6	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	7	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	7	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	7	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	8	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	8	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	8	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	9	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	9	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	9	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	10	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	10	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	10	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	13	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	13	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	13	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	14	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	14	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	14	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	15	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	15	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	15	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	16	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	16	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	16	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	17	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	17	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	17	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	18	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	18	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	18	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	19	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	19	2.13
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	19	2.13
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	5	2.13
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	5	2.13
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	5	2.13
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	8	2.13
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	9	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	11	2.13
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	16	2.13
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	17	2.13
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	19	2.13
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	20	2.13
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	9	2.13
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	2	2.13
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	2	2.13
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	18	2.13
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	2	2.13
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	4	2.13
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	10	2.13
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	12	2.13
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	14	2.13
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	15	2.13
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	16	2.13
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	20	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	1	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	1	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	1	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	2	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	2	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	2	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	4	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	4	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	4	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	6	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	6	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	6	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	7	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	7	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	7	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	10	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	10	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	10	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	11	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	11	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	11	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	12	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	12	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	12	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	14	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	14	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	14	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	16	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	16	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	16	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	17	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	17	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	17	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	18	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	18	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	18	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	19	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	19	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	19	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG21	20	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG22	20	2.13
(2,1570)	1:63:A:VAL:HB	1:63:A:VAL:HG23	20	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	8	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	8	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	8	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	10	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	10	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	10	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	13	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	13	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	13	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	18	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	18	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	18	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	19	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	19	2.13
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	19	2.13
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	15	2.13
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	3	2.13
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	3	2.13
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	8	2.13
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	8	2.13
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	10	2.13
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	10	2.13
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	15	2.13
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	15	2.13
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	9	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	9	2.13
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	9	2.13
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	10	2.13
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	10	2.13
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	10	2.13
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	12	2.13
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	12	2.13
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	12	2.13
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	17	2.13
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	17	2.13
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	17	2.13
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	11	2.13
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	9	2.13
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	2	2.13
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	20	2.13
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	4	2.13
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	2	2.13
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	2	2.13
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	2	2.13
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	2	2.13
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	2	2.13
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	2	2.13
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	2	2.13
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	2	2.13
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	2	2.13
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG21	16	2.13
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG22	16	2.13
(2,1003)	1:101:A:ILE:HD11	1:101:A:ILE:HG23	16	2.13
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG21	16	2.13
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG22	16	2.13
(2,1003)	1:101:A:ILE:HD12	1:101:A:ILE:HG23	16	2.13
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG21	16	2.13
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG22	16	2.13
(2,1003)	1:101:A:ILE:HD13	1:101:A:ILE:HG23	16	2.13
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	2	2.13
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	8	2.13
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	9	2.13
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	3	2.13
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	5	2.13
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	9	2.13
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	10	2.13
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	11	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	12	2.13
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	15	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	2	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	2	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	2	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	2	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	2	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	2	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	2	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	2	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	2	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	3	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	3	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	3	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	3	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	3	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	3	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	3	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	3	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	3	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	10	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	10	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	10	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	10	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	10	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	10	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	10	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	10	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	10	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	15	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	15	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	15	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	15	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	15	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	15	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	15	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	15	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	15	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	17	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	17	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	17	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	17	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	17	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	17	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	17	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	17	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	17	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	18	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	18	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	18	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	18	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	18	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	18	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	18	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	18	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	18	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	19	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	19	2.13
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	19	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	19	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	19	2.13
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	19	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	19	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	19	2.13
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	19	2.13
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	1	2.13
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	1	2.13
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	1	2.13
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	15	2.13
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	15	2.13
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	15	2.13
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	5	2.13
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	5	2.13
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	5	2.13
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	20	2.13
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	20	2.13
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	20	2.13
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	20	2.13
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	1	2.13
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	1	2.13
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	5	2.13
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	5	2.13
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	13	2.13
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	13	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD1	14	2.13
(2,597)	1:114:A:TYR:HB3	1:114:A:TYR:HD2	14	2.13
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	3	2.13
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	4	2.13
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	4	2.13
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	4	2.13
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	20	2.13
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	20	2.13
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	20	2.13
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	11	2.13
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	11	2.13
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	11	2.13
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	3	2.13
(2,436)	1:9:A:VAL:HG11	1:9:A:VAL:HB	11	2.13
(2,436)	1:9:A:VAL:HG12	1:9:A:VAL:HB	11	2.13
(2,436)	1:9:A:VAL:HG13	1:9:A:VAL:HB	11	2.13
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	5	2.13
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	6	2.13
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	13	2.13
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	17	2.13
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	1	2.13
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	1	2.13
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	1	2.13
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	4	2.13
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	4	2.13
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	4	2.13
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	6	2.13
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	6	2.13
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	6	2.13
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	7	2.13
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	7	2.13
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	7	2.13
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	8	2.13
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	8	2.13
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	8	2.13
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	11	2.13
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	11	2.13
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	11	2.13
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	14	2.13
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	14	2.13
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	14	2.13
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	15	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	15	2.13
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	15	2.13
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	16	2.13
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	16	2.13
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	16	2.13
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	18	2.13
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	18	2.13
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	18	2.13
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	20	2.13
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	20	2.13
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	20	2.13
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	3	2.13
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	3	2.13
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	3	2.13
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	6	2.13
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	6	2.13
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	6	2.13
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	3	2.13
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	7	2.13
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	13	2.13
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	13	2.13
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	13	2.13
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	13	2.13
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	13	2.13
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	17	2.13
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	1	2.13
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	6	2.13
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	7	2.13
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	12	2.13
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	5	2.13
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	5	2.13
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	5	2.13
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	16	2.13
(2,110)	1:126:A:HIS:HB2	1:127:A:GLY:H	10	2.13
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	12	2.13
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	16	2.13
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	17	2.13
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	20	2.13
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	4	2.13
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	4	2.13
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	5	2.13
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	5	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	11	2.13
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	11	2.13
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	12	2.13
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	12	2.13
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	20	2.13
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	20	2.13
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	1	2.13
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	1	2.13
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	3	2.13
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	3	2.13
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	6	2.13
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	6	2.13
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	13	2.13
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	13	2.13
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	15	2.13
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	15	2.13
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	6	2.12
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	11	2.12
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	14	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	3	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	3	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	3	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	5	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	5	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	5	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	6	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	6	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	6	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	8	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	8	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	8	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	9	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	9	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	9	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	10	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	10	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	10	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	13	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	13	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	13	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	14	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	14	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	14	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	15	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	15	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	15	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	16	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	16	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	16	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	18	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	18	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	18	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	19	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	19	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	19	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	20	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	20	2.12
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	20	2.12
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	1	2.12
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	2	2.12
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	4	2.12
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	8	2.12
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	9	2.12
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	15	2.12
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	3	2.12
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	9	2.12
(2,2750)	1:115:A:TRP:HB3	1:104:A:GLN:H	6	2.12
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	5	2.12
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	15	2.12
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	16	2.12
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	1	2.12
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	9	2.12
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	6	2.12
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	16	2.12
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	16	2.12
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	3	2.12
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	10	2.12
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	20	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	1	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	1	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	1	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	2	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	2	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	2	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	3	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	3	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	3	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	4	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	4	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	4	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	5	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	5	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	5	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	6	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	6	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	6	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	7	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	7	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	7	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	8	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	8	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	8	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	9	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	9	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	9	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	10	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	10	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	10	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	11	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	11	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	11	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	13	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	13	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	13	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	14	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	14	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	14	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	15	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	15	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	15	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	16	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	16	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	16	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	18	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	18	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	18	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	19	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	19	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	19	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	20	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	20	2.12
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	20	2.12
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	2	2.12
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	3	2.12
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	3	2.12
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	3	2.12
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	5	2.12
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	5	2.12
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	5	2.12
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	16	2.12
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	16	2.12
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	16	2.12
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	19	2.12
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	19	2.12
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	19	2.12
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	11	2.12
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	11	2.12
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	11	2.12
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	12	2.12
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	12	2.12
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	12	2.12
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG21	20	2.12
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG22	20	2.12
(2,2168)	1:63:A:VAL:HB	1:63:A:VAL:HG23	20	2.12
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	1	2.12
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	7	2.12
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	13	2.12
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	11	2.12
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	11	2.12
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	11	2.12
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	4	2.12
(2,2095)	1:126:A:HIS:HB2	1:126:A:HIS:HA	7	2.12
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	9	2.12
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	9	2.12
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	9	2.12
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	9	2.12
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	18	2.12
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	18	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	18	2.12
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	8	2.12
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	6	2.12
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	6	2.12
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	7	2.12
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	3	2.12
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	6	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	1	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	3	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	5	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	6	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	7	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	8	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	9	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	11	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	13	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	17	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	18	2.12
(2,1659)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	19	2.12
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	4	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	1	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	1	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	1	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	3	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	3	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	3	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	4	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	4	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	4	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	5	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	5	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	5	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	6	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	6	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	6	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	7	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	7	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	7	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	8	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	8	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	8	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	11	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	11	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	11	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	12	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	12	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	12	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	13	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	13	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	13	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	14	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	14	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	14	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	15	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	15	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	15	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	16	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	16	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	16	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	17	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	17	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	17	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	18	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	18	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	18	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	19	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	19	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	19	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	20	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	20	2.12
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	20	2.12
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	13	2.12
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	6	2.12
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	6	2.12
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	6	2.12
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	9	2.12
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	9	2.12
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	9	2.12
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	12	2.12
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	12	2.12
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	12	2.12
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	20	2.12
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	20	2.12
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	20	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	1	2.12
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	7	2.12
(2,1206)	1:123:A:TYR:HB2	1:123:A:TYR:H	17	2.12
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	5	2.12
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	5	2.12
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	12	2.12
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	12	2.12
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	19	2.12
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	19	2.12
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	7	2.12
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	7	2.12
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	7	2.12
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	11	2.12
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	11	2.12
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	11	2.12
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	13	2.12
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	13	2.12
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	13	2.12
(2,1161)	1:9:A:VAL:HG21	1:9:A:VAL:HB	20	2.12
(2,1161)	1:9:A:VAL:HG22	1:9:A:VAL:HB	20	2.12
(2,1161)	1:9:A:VAL:HG23	1:9:A:VAL:HB	20	2.12
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	6	2.12
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	15	2.12
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	19	2.12
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	16	2.12
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	20	2.12
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	5	2.12
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	6	2.12
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	16	2.12
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	1	2.12
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	9	2.12
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	18	2.12
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	6	2.12
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	18	2.12
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	2	2.12
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	8	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	5	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	5	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	5	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	5	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	5	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	5	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	5	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	5	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	5	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	6	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	6	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	6	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	6	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	6	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	6	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	6	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	6	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	6	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	7	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	7	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	7	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	7	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	7	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	7	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	7	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	7	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	7	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	9	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	9	2.12
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	9	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	9	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	9	2.12
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	9	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	9	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	9	2.12
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	9	2.12
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	9	2.12
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	9	2.12
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	20	2.12
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	20	2.12
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	20	2.12
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	12	2.12
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	12	2.12
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	12	2.12
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	14	2.12
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	14	2.12
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	14	2.12
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	1	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	1	2.12
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	1	2.12
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	6	2.12
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	6	2.12
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	6	2.12
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	8	2.12
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	8	2.12
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	8	2.12
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	16	2.12
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	16	2.12
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	16	2.12
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	18	2.12
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	18	2.12
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	18	2.12
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	17	2.12
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	17	2.12
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	17	2.12
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	2	2.12
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	11	2.12
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	19	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	1	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	1	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	1	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	2	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	2	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	2	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	5	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	5	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	5	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	6	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	6	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	6	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	7	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	7	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	7	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	8	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	8	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	8	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	9	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	9	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	9	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	10	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	10	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	10	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	14	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	14	2.12
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	14	2.12
(2,443)	1:70:A:LEU:HB2	1:70:A:LEU:H	11	2.12
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	1	2.12
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	8	2.12
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	9	2.12
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	9	2.12
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	9	2.12
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	12	2.12
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	12	2.12
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	12	2.12
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	11	2.12
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	11	2.12
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	11	2.12
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	18	2.12
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	18	2.12
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	18	2.12
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	1	2.12
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	1	2.12
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	1	2.12
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	4	2.12
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	20	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	1	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	1	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	1	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	2	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	2	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	2	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	3	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	3	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	3	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	4	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	4	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	4	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	6	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	6	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	6	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	7	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	7	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	7	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	8	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	8	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	8	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	9	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	9	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	9	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	10	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	10	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	10	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	11	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	11	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	11	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	12	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	12	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	12	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	13	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	13	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	13	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	14	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	14	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	14	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	15	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	15	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	15	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	16	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	16	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	16	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	17	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	17	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	17	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	18	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	18	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	18	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	19	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	19	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	19	2.12
(2,173)	1:165:A:ILE:HD11	1:165:A:ILE:HG12	20	2.12
(2,173)	1:165:A:ILE:HD12	1:165:A:ILE:HG12	20	2.12
(2,173)	1:165:A:ILE:HD13	1:165:A:ILE:HG12	20	2.12
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	10	2.12
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	10	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	10	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	1	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	2	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	3	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	4	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	5	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	6	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	7	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	8	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	9	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	10	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	13	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	14	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	15	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	18	2.12
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	19	2.12
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	2	2.12
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	2	2.12
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	4	2.12
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	4	2.12
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	8	2.12
(2,25)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	8	2.12
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	13	2.12
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	13	2.12
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	13	2.12
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	3	2.11
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	5	2.11
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	15	2.11
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	18	2.11
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	11	2.11
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	11	2.11
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	11	2.11
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	13	2.11
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	13	2.11
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	13	2.11
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	17	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	1	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	1	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	1	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	2	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	2	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	2	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	4	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	4	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	4	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	7	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	7	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	7	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	11	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	11	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	11	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	12	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	12	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	12	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG21	17	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG22	17	2.11
(2,2898)	1:48:A:ILE:HB	1:48:A:ILE:HG23	17	2.11
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	3	2.11
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	5	2.11
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	6	2.11
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	7	2.11
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	10	2.11
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	13	2.11
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	14	2.11
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	16	2.11
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	17	2.11
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	18	2.11
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	19	2.11
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	20	2.11
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG21	12	2.11
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG22	12	2.11
(2,2869)	1:84:A:ILE:HA	1:84:A:ILE:HG23	12	2.11
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	17	2.11
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	17	2.11
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	17	2.11
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	18	2.11
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	13	2.11
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	7	2.11
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	20	2.11
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	6	2.11
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	6	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	1	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	2	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	4	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	5	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	6	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	7	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	8	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	9	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	12	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	13	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	14	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	15	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	16	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	17	2.11
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	19	2.11
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	12	2.11
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	12	2.11
(2,2511)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	12	2.11
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	19	2.11
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	8	2.11
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	14	2.11
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	19	2.11
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	19	2.11
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	19	2.11
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	14	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	1	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	1	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	1	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	4	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	4	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	4	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	5	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	5	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	5	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	6	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	6	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	6	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	7	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	7	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	7	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	9	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	9	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	9	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	10	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	10	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	10	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	13	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	13	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	13	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	14	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	14	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	14	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	15	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	15	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	15	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	16	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	16	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	16	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	17	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	17	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	17	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	19	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	19	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	19	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	20	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	20	2.11
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	20	2.11
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	1	2.11
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	1	2.11
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	1	2.11
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	2	2.11
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	2	2.11
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	2	2.11
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	7	2.11
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	7	2.11
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	7	2.11
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	10	2.11
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	10	2.11
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	10	2.11
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	11	2.11
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	11	2.11
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	11	2.11
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	15	2.11
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	15	2.11
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	15	2.11
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	2	2.11
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	18	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	19	2.11
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	6	2.11
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	6	2.11
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	6	2.11
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	14	2.11
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	1	2.11
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	15	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	2	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	2	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	2	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	6	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	6	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	6	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	7	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	7	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	7	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	8	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	8	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	8	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	10	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	10	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	10	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	13	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	13	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	13	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	16	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	16	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	16	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	17	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	17	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	17	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	19	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	19	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	19	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	20	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	20	2.11
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	20	2.11
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	20	2.11
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	7	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	1	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	1	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	1	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	2	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	2	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	2	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	3	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	3	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	3	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	4	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	4	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	4	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	5	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	5	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	5	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	6	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	6	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	6	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	7	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	7	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	7	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	8	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	8	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	8	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	9	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	9	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	9	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	10	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	10	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	10	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	11	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	11	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	11	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	12	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	12	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	12	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	13	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	13	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	13	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	14	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	14	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	14	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	15	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	15	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	15	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	16	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	16	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	16	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	17	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	17	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	17	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	18	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	18	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	18	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	19	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	19	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	19	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD11	20	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD12	20	2.11
(2,1974)	1:18:A:ILE:HG12	1:18:A:ILE:HD13	20	2.11
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	3	2.11
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	5	2.11
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	16	2.11
(2,1849)	1:63:A:VAL:HG21	1:63:A:VAL:H	11	2.11
(2,1849)	1:63:A:VAL:HG22	1:63:A:VAL:H	11	2.11
(2,1849)	1:63:A:VAL:HG23	1:63:A:VAL:H	11	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	1	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	2	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	4	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	6	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	7	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	8	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	9	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	10	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	11	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	13	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	14	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	15	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	18	2.11
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	19	2.11
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	5	2.11
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	19	2.11
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	15	2.11
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	2	2.11
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	2	2.11
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	2	2.11
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	9	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	9	2.11
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	9	2.11
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG21	10	2.11
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG22	10	2.11
(2,1604)	1:84:A:ILE:HB	1:84:A:ILE:HG23	10	2.11
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	6	2.11
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	6	2.11
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	6	2.11
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	11	2.11
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	11	2.11
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	11	2.11
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	14	2.11
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	14	2.11
(2,1457)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	14	2.11
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	3	2.11
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	3	2.11
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	3	2.11
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	3	2.11
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	3	2.11
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	3	2.11
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	3	2.11
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	3	2.11
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	3	2.11
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	10	2.11
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	10	2.11
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	10	2.11
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	10	2.11
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	10	2.11
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	10	2.11
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	10	2.11
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	10	2.11
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	10	2.11
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	15	2.11
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	15	2.11
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	15	2.11
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	15	2.11
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	15	2.11
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	15	2.11
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	15	2.11
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	15	2.11
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	15	2.11
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	16	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	16	2.11
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	16	2.11
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	16	2.11
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	16	2.11
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	16	2.11
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	16	2.11
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	16	2.11
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	16	2.11
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	12	2.11
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	14	2.11
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	13	2.11
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	13	2.11
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	13	2.11
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	17	2.11
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	17	2.11
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	17	2.11
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	19	2.11
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	19	2.11
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	19	2.11
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	16	2.11
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	17	2.11
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	14	2.11
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	14	2.11
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	14	2.11
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	19	2.11
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	8	2.11
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	9	2.11
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	13	2.11
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	18	2.11
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	19	2.11
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	20	2.11
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	9	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	1	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	2	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	3	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	4	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	5	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	6	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	7	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	8	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	9	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	10	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	11	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	12	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	13	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	14	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	15	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	16	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	17	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	18	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	19	2.11
(2,990)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	20	2.11
(2,981)	1:126:A:HIS:HA	1:116:A:LEU:H	10	2.11
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	1	2.11
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	12	2.11
(2,934)	1:111:A:PHE:HB3	1:111:A:PHE:HA	13	2.11
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	20	2.11
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	7	2.11
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	13	2.11
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	4	2.11
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	8	2.11
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	8	2.11
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	8	2.11
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	8	2.11
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	8	2.11
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	8	2.11
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	8	2.11
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	8	2.11
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	8	2.11
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	14	2.11
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	14	2.11
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	14	2.11
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	11	2.11
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	11	2.11
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	11	2.11
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	4	2.11
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	4	2.11
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	4	2.11
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	5	2.11
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	5	2.11
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	5	2.11
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	7	2.11
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	7	2.11
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	7	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	8	2.11
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	8	2.11
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	8	2.11
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	10	2.11
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	10	2.11
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	10	2.11
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	12	2.11
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	12	2.11
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	12	2.11
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	18	2.11
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	18	2.11
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	18	2.11
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	2	2.11
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	2	2.11
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	2	2.11
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	6	2.11
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	6	2.11
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	6	2.11
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	2	2.11
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	2	2.11
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	2	2.11
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	7	2.11
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	7	2.11
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	7	2.11
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	9	2.11
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	9	2.11
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	9	2.11
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	10	2.11
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	10	2.11
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	10	2.11
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	13	2.11
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	13	2.11
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	13	2.11
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	13	2.11
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	11	2.11
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	11	2.11
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	11	2.11
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	13	2.11
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	13	2.11
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	13	2.11
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	15	2.11
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	15	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	15	2.11
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	6	2.11
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	9	2.11
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	10	2.11
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	12	2.11
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	2	2.11
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	2	2.11
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	2	2.11
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	3	2.11
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	3	2.11
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	3	2.11
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	5	2.11
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	5	2.11
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	5	2.11
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	13	2.11
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	13	2.11
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	13	2.11
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	17	2.11
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	17	2.11
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	17	2.11
(2,345)	1:165:A:ILE:HD11	1:165:A:ILE:HB	19	2.11
(2,345)	1:165:A:ILE:HD12	1:165:A:ILE:HB	19	2.11
(2,345)	1:165:A:ILE:HD13	1:165:A:ILE:HB	19	2.11
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	7	2.11
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	7	2.11
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	7	2.11
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	3	2.11
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	3	2.11
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	3	2.11
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	8	2.11
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	8	2.11
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	8	2.11
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	11	2.11
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	18	2.11
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	13	2.11
(2,59)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	11	2.11
(2,50)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	16	2.11
(2,50)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	16	2.11
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	1	2.1
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	7	2.1
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	9	2.1
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	4	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	4	2.1
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	4	2.1
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	12	2.1
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	12	2.1
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	12	2.1
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	20	2.1
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	11	2.1
(2,2887)	1:125:A:ILE:HB	1:125:A:ILE:HA	12	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	1	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	1	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	1	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	2	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	2	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	2	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	3	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	3	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	3	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	4	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	4	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	4	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	5	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	5	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	5	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	6	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	6	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	6	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	7	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	7	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	7	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	8	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	8	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	8	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	9	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	9	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	9	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	10	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	10	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	10	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	11	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	11	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	11	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	12	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	12	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	12	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	13	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	13	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	13	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	14	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	14	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	14	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	15	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	15	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	15	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	16	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	16	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	16	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	18	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	18	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	18	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	19	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	19	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	19	2.1
(2,2838)	1:151:A:ILE:HG21	1:151:A:ILE:HB	20	2.1
(2,2838)	1:151:A:ILE:HG22	1:151:A:ILE:HB	20	2.1
(2,2838)	1:151:A:ILE:HG23	1:151:A:ILE:HB	20	2.1
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	5	2.1
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	6	2.1
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	13	2.1
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	13	2.1
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	13	2.1
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	19	2.1
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	19	2.1
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	19	2.1
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	8	2.1
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	4	2.1
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	7	2.1
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	11	2.1
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	12	2.1
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	11	2.1
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	2	2.1
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	2	2.1
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	11	2.1
(2,2561)	1:160:A:GLY:HA2	1:160:A:GLY:H	18	2.1
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	13	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	1	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	1	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	1	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	2	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	2	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	2	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	3	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	3	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	3	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	4	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	4	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	4	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	5	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	5	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	5	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	6	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	6	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	6	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	7	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	7	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	7	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	8	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	8	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	8	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	9	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	9	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	9	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	10	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	10	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	10	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	11	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	11	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	11	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	12	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	12	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	12	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	14	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	14	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	14	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	15	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	15	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	15	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	16	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	16	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	16	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	18	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	18	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	18	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	19	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	19	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	19	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	20	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	20	2.1
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	20	2.1
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	5	2.1
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	10	2.1
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	12	2.1
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	13	2.1
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	18	2.1
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	9	2.1
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	9	2.1
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	9	2.1
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	10	2.1
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	10	2.1
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	10	2.1
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	20	2.1
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	20	2.1
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	20	2.1
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	20	2.1
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	5	2.1
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	9	2.1
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	19	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	2	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	2	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	2	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	3	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	3	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	3	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	8	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	8	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	8	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	11	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	11	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	11	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	12	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	12	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	12	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG11	18	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG12	18	2.1
(2,2280)	1:63:A:VAL:HB	1:63:A:VAL:HG13	18	2.1
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	6	2.1
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	6	2.1
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	6	2.1
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	8	2.1
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	8	2.1
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	8	2.1
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	14	2.1
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	14	2.1
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	14	2.1
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	13	2.1
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	13	2.1
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	13	2.1
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	4	2.1
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	5	2.1
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	6	2.1
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	15	2.1
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	16	2.1
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	17	2.1
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	17	2.1
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	19	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	1	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	1	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	1	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	3	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	3	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	3	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	4	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	4	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	4	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	5	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	5	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	5	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	9	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	9	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	9	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	12	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	12	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	12	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	14	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	14	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	14	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	15	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	15	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	15	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD11	18	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD12	18	2.1
(2,2097)	1:18:A:ILE:HB	1:18:A:ILE:HD13	18	2.1
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	14	2.1
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	1	2.1
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	14	2.1
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	6	2.1
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	14	2.1
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	15	2.1
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	4	2.1
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	4	2.1
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	4	2.1
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	16	2.1
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	16	2.1
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	16	2.1
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	5	2.1
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	12	2.1
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	16	2.1
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	17	2.1
(2,1671)	1:72:A:LEU:HB2	1:72:A:LEU:HB3	20	2.1
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	2	2.1
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	7	2.1
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	13	2.1
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	15	2.1
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	16	2.1
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	11	2.1
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	14	2.1
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	1	2.1
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	4	2.1
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	6	2.1
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	9	2.1
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	10	2.1
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	13	2.1
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	18	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	20	2.1
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	9	2.1
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	16	2.1
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	2	2.1
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	2	2.1
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	2	2.1
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	5	2.1
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	5	2.1
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	5	2.1
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	16	2.1
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	16	2.1
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	16	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	1	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	1	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	1	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	1	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	1	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	1	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	1	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	1	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	1	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	2	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	2	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	2	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	2	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	2	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	2	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	2	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	2	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	2	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	4	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	4	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	4	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	4	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	4	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	4	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	4	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	4	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	4	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	5	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	5	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	5	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	5	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	5	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	5	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	5	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	5	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	5	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	6	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	6	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	6	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	6	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	6	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	6	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	6	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	6	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	6	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	7	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	7	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	7	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	7	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	7	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	7	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	7	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	7	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	7	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	9	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	9	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	9	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	9	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	9	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	9	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	9	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	9	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	9	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	11	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	11	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	11	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	11	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	11	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	11	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	11	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	11	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	11	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	12	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	12	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	12	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	12	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	12	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	12	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	12	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	12	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	12	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	13	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	13	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	13	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	13	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	13	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	13	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	13	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	13	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	13	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	14	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	14	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	14	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	14	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	14	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	14	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	14	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	14	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	14	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	17	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	17	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	17	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	17	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	17	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	17	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	17	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	17	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	17	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	18	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	18	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	18	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	18	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	18	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	18	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	18	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	18	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	18	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	19	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	19	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	19	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	19	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	19	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	19	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	19	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	19	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	19	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	20	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	20	2.1
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	20	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	20	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	20	2.1
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	20	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	20	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	20	2.1
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	20	2.1
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	11	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	1	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	1	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	1	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	2	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	2	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	2	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	3	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	3	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	3	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	4	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	4	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	4	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	6	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	6	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	6	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	7	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	7	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	7	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	8	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	8	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	8	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	9	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	9	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	9	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	10	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	10	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	10	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	12	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	12	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	12	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	14	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	14	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	14	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	15	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	15	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	15	2.1
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	18	2.1
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	18	2.1
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	18	2.1
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	13	2.1
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	13	2.1
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	13	2.1
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	13	2.1
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	13	2.1
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	13	2.1
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	13	2.1
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	13	2.1
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	13	2.1
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	1	2.1
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	1	2.1
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	9	2.1
(2,1170)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	9	2.1
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	3	2.1
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	10	2.1
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	15	2.1
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	1	2.1
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	2	2.1
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	3	2.1
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	4	2.1
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	7	2.1
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	10	2.1
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	4	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	4	2.1
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	4	2.1
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	4	2.1
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	4	2.1
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	4	2.1
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	4	2.1
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	4	2.1
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	4	2.1
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	4	2.1
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	12	2.1
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	12	2.1
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	12	2.1
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	12	2.1
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	12	2.1
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	12	2.1
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	12	2.1
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	12	2.1
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	12	2.1
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	1	2.1
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	1	2.1
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	1	2.1
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	3	2.1
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	3	2.1
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	3	2.1
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	6	2.1
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	6	2.1
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	6	2.1
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	13	2.1
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	13	2.1
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	13	2.1
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	16	2.1
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	16	2.1
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	16	2.1
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	17	2.1
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	17	2.1
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	17	2.1
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	19	2.1
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	19	2.1
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	19	2.1
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	2	2.1
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	2	2.1
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	2	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	4	2.1
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	4	2.1
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	4	2.1
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	4	2.1
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	4	2.1
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	4	2.1
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	11	2.1
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	11	2.1
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	11	2.1
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	12	2.1
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	12	2.1
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	12	2.1
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	14	2.1
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	14	2.1
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	14	2.1
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	15	2.1
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	15	2.1
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	15	2.1
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	19	2.1
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	19	2.1
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	19	2.1
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	6	2.1
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	11	2.1
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG21	3	2.1
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG22	3	2.1
(2,514)	1:150:A:VAL:HA	1:150:A:VAL:HG23	3	2.1
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	2	2.1
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	10	2.1
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	15	2.1
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	2	2.1
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	2	2.1
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	2	2.1
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	5	2.1
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	5	2.1
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	5	2.1
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	13	2.1
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	13	2.1
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	13	2.1
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	10	2.1
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	20	2.1
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	4	2.1
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	4	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	4	2.1
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	7	2.1
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	7	2.1
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	7	2.1
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	9	2.1
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	9	2.1
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	9	2.1
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	12	2.1
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	12	2.1
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	12	2.1
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	14	2.1
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	14	2.1
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	14	2.1
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	18	2.1
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	18	2.1
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	18	2.1
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	19	2.1
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	19	2.1
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	19	2.1
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	17	2.1
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	7	2.1
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	18	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	1	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	1	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	1	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	2	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	2	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	2	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	3	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	3	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	3	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	4	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	4	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	4	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	6	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	6	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	6	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	7	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	7	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	7	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	8	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	8	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	8	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	12	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	12	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	12	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	17	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	17	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	17	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	18	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	18	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	18	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	19	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	19	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	19	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	20	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	20	2.1
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	20	2.1
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	19	2.09
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	16	2.09
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	16	2.09
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	16	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	4	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	4	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	4	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	6	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	6	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	6	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	8	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	8	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	8	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	9	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	9	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	9	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	10	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	10	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	10	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	11	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	11	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	11	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	14	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	14	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	14	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	16	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	16	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	16	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	17	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	17	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	17	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	18	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	18	2.09
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	18	2.09
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	6	2.09
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	6	2.09
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	6	2.09
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	3	2.09
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	3	2.09
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	3	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	1	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	1	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	1	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	2	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	2	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	2	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	3	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	3	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	3	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	5	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	5	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	5	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	6	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	6	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	6	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	7	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	7	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	7	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	8	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	8	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	8	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	9	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	9	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	9	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	10	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	10	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	10	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	15	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	15	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	15	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	18	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	18	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	18	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	20	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	20	2.09
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	20	2.09
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	4	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	1	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	2	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	3	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	5	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	6	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	8	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	9	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	10	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	14	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	15	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	16	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	17	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	18	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	19	2.09
(2,2703)	1:48:A:ILE:HB	1:48:A:ILE:HG12	20	2.09
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	8	2.09
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	13	2.09
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	7	2.09
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	8	2.09
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	4	2.09
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	4	2.09
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	5	2.09
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	5	2.09
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	8	2.09
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	8	2.09
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	10	2.09
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	10	2.09
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	12	2.09
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	12	2.09
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	14	2.09
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	14	2.09
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	18	2.09
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	18	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	20	2.09
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	20	2.09
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	12	2.09
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	12	2.09
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	13	2.09
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	13	2.09
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	13	2.09
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG21	17	2.09
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG22	17	2.09
(2,2400)	1:100:A:ILE:HB	1:100:A:ILE:HG23	17	2.09
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	20	2.09
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	20	2.09
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	20	2.09
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	9	2.09
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	15	2.09
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	7	2.09
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	7	2.09
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	7	2.09
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	15	2.09
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	15	2.09
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	15	2.09
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	16	2.09
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	16	2.09
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	16	2.09
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	2	2.09
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	12	2.09
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	12	2.09
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	12	2.09
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	19	2.09
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	19	2.09
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	19	2.09
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	2	2.09
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	11	2.09
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	9	2.09
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	9	2.09
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	9	2.09
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	12	2.09
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	12	2.09
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	12	2.09
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	18	2.09
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	18	2.09
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	18	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	10	2.09
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	12	2.09
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	14	2.09
(2,2162)	1:70:A:LEU:HB2	1:70:A:LEU:HA	20	2.09
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	9	2.09
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	12	2.09
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	13	2.09
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	8	2.09
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	8	2.09
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	8	2.09
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	10	2.09
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	11	2.09
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	20	2.09
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	12	2.09
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	12	2.09
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	12	2.09
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	2	2.09
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	8	2.09
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	15	2.09
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	3	2.09
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	3	2.09
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	3	2.09
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	3	2.09
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	4	2.09
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	4	2.09
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	4	2.09
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	16	2.09
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	16	2.09
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	16	2.09
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	4	2.09
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	10	2.09
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	2	2.09
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	5	2.09
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	7	2.09
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	8	2.09
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	12	2.09
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	14	2.09
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	16	2.09
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	17	2.09
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	7	2.09
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	19	2.09
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	13	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	18	2.09
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	19	2.09
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	4	2.09
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	4	2.09
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	4	2.09
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	8	2.09
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	8	2.09
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	8	2.09
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	11	2.09
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	11	2.09
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	11	2.09
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	14	2.09
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	14	2.09
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	14	2.09
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	15	2.09
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	15	2.09
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	15	2.09
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	8	2.09
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	8	2.09
(2,1438)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	8	2.09
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	8	2.09
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	8	2.09
(2,1438)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	8	2.09
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	8	2.09
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	8	2.09
(2,1438)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	8	2.09
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	11	2.09
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	8	2.09
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	4	2.09
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	5	2.09
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	6	2.09
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	7	2.09
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	8	2.09
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	10	2.09
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	14	2.09
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	16	2.09
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	17	2.09
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	18	2.09
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	19	2.09
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	20	2.09
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	5	2.09
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	5	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	5	2.09
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	11	2.09
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	11	2.09
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	11	2.09
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	16	2.09
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	16	2.09
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	16	2.09
(2,1243)	1:118:A:LEU:HD11	1:118:A:LEU:HG	20	2.09
(2,1243)	1:118:A:LEU:HD12	1:118:A:LEU:HG	20	2.09
(2,1243)	1:118:A:LEU:HD13	1:118:A:LEU:HG	20	2.09
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	8	2.09
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	5	2.09
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	6	2.09
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	10	2.09
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	11	2.09
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	9	2.09
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	9	2.09
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	9	2.09
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	1	2.09
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	3	2.09
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	4	2.09
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	6	2.09
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	8	2.09
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	12	2.09
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	15	2.09
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	17	2.09
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	8	2.09
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	11	2.09
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	11	2.09
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	11	2.09
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	11	2.09
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	11	2.09
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	11	2.09
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	11	2.09
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	11	2.09
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	11	2.09
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	13	2.09
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	13	2.09
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	13	2.09
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	13	2.09
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	13	2.09
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	13	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	13	2.09
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	13	2.09
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	13	2.09
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	9	2.09
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	9	2.09
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	9	2.09
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	14	2.09
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	14	2.09
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	14	2.09
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	4	2.09
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	20	2.09
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	14	2.09
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	14	2.09
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	14	2.09
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	7	2.09
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	7	2.09
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	7	2.09
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	16	2.09
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	16	2.09
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	16	2.09
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	18	2.09
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	18	2.09
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	18	2.09
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	19	2.09
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	3	2.09
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	3	2.09
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	3	2.09
(2,616)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	17	2.09
(2,616)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	17	2.09
(2,616)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	17	2.09
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	4	2.09
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	12	2.09
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	5	2.09
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	14	2.09
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	13	2.09
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	7	2.09
(2,387)	1:68:A:LYS:HA	1:68:A:LYS:HG3	14	2.09
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	19	2.09
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	17	2.09
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	17	2.09
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	17	2.09
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	1	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	8	2.09
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	9	2.09
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	2	2.09
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	2	2.09
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	2	2.09
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	5	2.09
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	5	2.09
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	5	2.09
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	10	2.09
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	10	2.09
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	10	2.09
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	20	2.09
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	20	2.09
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	20	2.09
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	2	2.09
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	19	2.09
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	11	2.09
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	11	2.09
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	11	2.09
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	14	2.09
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	14	2.09
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	14	2.09
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	4	2.08
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	8	2.08
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	8	2.08
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	11	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	2	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	2	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	2	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	3	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	3	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	3	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	5	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	5	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	5	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	7	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	7	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	7	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	13	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	13	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	13	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	15	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	15	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	15	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	20	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	20	2.08
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	20	2.08
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	13	2.08
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	11	2.08
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	11	2.08
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	11	2.08
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	11	2.08
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	11	2.08
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	11	2.08
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	11	2.08
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	11	2.08
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	11	2.08
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	7	2.08
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	7	2.08
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	7	2.08
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	4	2.08
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	4	2.08
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	4	2.08
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	14	2.08
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	14	2.08
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	14	2.08
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	16	2.08
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	16	2.08
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	16	2.08
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	17	2.08
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	17	2.08
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	17	2.08
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	1	2.08
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	10	2.08
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	12	2.08
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	13	2.08
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	14	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	1	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	1	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	1	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	2	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	2	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	2	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	3	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	3	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	3	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	4	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	4	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	4	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	5	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	5	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	5	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	6	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	6	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	6	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	7	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	7	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	7	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	8	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	8	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	8	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	9	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	9	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	9	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	10	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	10	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	10	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	11	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	11	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	11	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	12	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	12	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	12	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	13	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	13	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	13	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	14	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	14	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	14	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	15	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	15	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	15	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	16	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	16	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	16	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	17	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	17	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	17	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	18	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	18	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	18	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	19	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	19	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	19	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG21	20	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG22	20	2.08
(2,2724)	1:48:A:ILE:HG12	1:48:A:ILE:HG23	20	2.08
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	2	2.08
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	6	2.08
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	10	2.08
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	15	2.08
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	16	2.08
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	3	2.08
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	3	2.08
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	6	2.08
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	6	2.08
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	11	2.08
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	11	2.08
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	16	2.08
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	1	2.08
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	3	2.08
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	7	2.08
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	11	2.08
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	4	2.08
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	4	2.08
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	4	2.08
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	13	2.08
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	13	2.08
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	13	2.08
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	2	2.08
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	2	2.08
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	2	2.08
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	8	2.08
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	8	2.08
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	8	2.08
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	12	2.08
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	12	2.08
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	12	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	14	2.08
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	14	2.08
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	14	2.08
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	15	2.08
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	15	2.08
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	15	2.08
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	4	2.08
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	4	2.08
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	16	2.08
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	16	2.08
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	20	2.08
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	20	2.08
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	10	2.08
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	18	2.08
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	17	2.08
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	7	2.08
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	7	2.08
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	7	2.08
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	15	2.08
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	15	2.08
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	15	2.08
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	8	2.08
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	8	2.08
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	8	2.08
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	10	2.08
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	10	2.08
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	18	2.08
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	7	2.08
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	7	2.08
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	7	2.08
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	12	2.08
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	12	2.08
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	12	2.08
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	3	2.08
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	5	2.08
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	6	2.08
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	20	2.08
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	20	2.08
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	20	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	1	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	3	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	4	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	5	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	6	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	7	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	9	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	10	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	11	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	12	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	13	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	14	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	16	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	17	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	18	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	19	2.08
(2,1762)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	20	2.08
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	5	2.08
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	5	2.08
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	5	2.08
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	13	2.08
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	13	2.08
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	13	2.08
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	17	2.08
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	17	2.08
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	17	2.08
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	1	2.08
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	12	2.08
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	17	2.08
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	19	2.08
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	4	2.08
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	4	2.08
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	4	2.08
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	6	2.08
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	6	2.08
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	6	2.08
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	7	2.08
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	7	2.08
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	7	2.08
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	12	2.08
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	12	2.08
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	12	2.08
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	20	2.08
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	20	2.08
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	20	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	1	2.08
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	2	2.08
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	3	2.08
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	9	2.08
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	12	2.08
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	13	2.08
(2,1306)	1:141:A:GLY:HA3	1:141:A:GLY:H	15	2.08
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	8	2.08
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	8	2.08
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	8	2.08
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	8	2.08
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	8	2.08
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	8	2.08
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	8	2.08
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	8	2.08
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	8	2.08
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	4	2.08
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	1	2.08
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	4	2.08
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	12	2.08
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	12	2.08
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	12	2.08
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	7	2.08
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	18	2.08
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	18	2.08
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	18	2.08
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	2	2.08
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	2	2.08
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	2	2.08
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	11	2.08
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	11	2.08
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	11	2.08
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	15	2.08
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	15	2.08
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	15	2.08
(2,761)	1:74:A:LEU:HD11	1:74:A:LEU:HG	20	2.08
(2,761)	1:74:A:LEU:HD12	1:74:A:LEU:HG	20	2.08
(2,761)	1:74:A:LEU:HD13	1:74:A:LEU:HG	20	2.08
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	5	2.08
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	5	2.08
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	5	2.08
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	5	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	5	2.08
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	5	2.08
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	5	2.08
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	5	2.08
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	5	2.08
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	10	2.08
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	10	2.08
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	10	2.08
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	11	2.08
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	11	2.08
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	11	2.08
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	10	2.08
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	10	2.08
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	10	2.08
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	20	2.08
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	20	2.08
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	20	2.08
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	3	2.08
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	1	2.08
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	1	2.08
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	4	2.08
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	8	2.08
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	10	2.08
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	9	2.08
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	15	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	1	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	2	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	3	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	5	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	6	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	8	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	10	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	11	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	13	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	15	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	17	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	18	2.08
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	20	2.08
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	7	2.08
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	3	2.08
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	14	2.08
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	2	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	14	2.08
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	18	2.08
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	6	2.08
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	6	2.08
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	6	2.08
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	11	2.08
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	11	2.08
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	11	2.08
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	15	2.08
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	15	2.08
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	15	2.08
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	16	2.08
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	16	2.08
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	16	2.08
(2,291)	1:61:A:ILE:HG21	1:61:A:ILE:HA	17	2.08
(2,291)	1:61:A:ILE:HG22	1:61:A:ILE:HA	17	2.08
(2,291)	1:61:A:ILE:HG23	1:61:A:ILE:HA	17	2.08
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	4	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	5	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	5	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	5	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	9	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	9	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	9	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	10	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	10	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	10	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	13	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	13	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	13	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	15	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	15	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	15	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD11	16	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD12	16	2.08
(2,65)	1:153:A:LEU:HG	1:153:A:LEU:HD13	16	2.08
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD11	6	2.08
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD12	6	2.08
(2,1)	1:26:A:THR:HB	1:15:A:LEU:HD13	6	2.08
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	3	2.07
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	1	2.07
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	6	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG21	19	2.07
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG22	19	2.07
(2,3050)	1:6:A:THR:HA	1:6:A:THR:HG23	19	2.07
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	13	2.07
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	16	2.07
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	9	2.07
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	9	2.07
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	9	2.07
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	12	2.07
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	12	2.07
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	12	2.07
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	15	2.07
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	15	2.07
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	15	2.07
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	12	2.07
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	12	2.07
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	12	2.07
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	12	2.07
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	12	2.07
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	12	2.07
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	12	2.07
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	12	2.07
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	12	2.07
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	11	2.07
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	11	2.07
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	11	2.07
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	7	2.07
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	9	2.07
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	18	2.07
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	7	2.07
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	13	2.07
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	14	2.07
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	18	2.07
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	14	2.07
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	3	2.07
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	9	2.07
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	12	2.07
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	7	2.07
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	7	2.07
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	9	2.07
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	9	2.07
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	17	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	17	2.07
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	19	2.07
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	19	2.07
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	4	2.07
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	13	2.07
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	15	2.07
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	15	2.07
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	15	2.07
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	7	2.07
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	10	2.07
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	10	2.07
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	10	2.07
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	2	2.07
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	2	2.07
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	2	2.07
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	11	2.07
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	11	2.07
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	11	2.07
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	14	2.07
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	14	2.07
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	14	2.07
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	6	2.07
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	6	2.07
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	6	2.07
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	2	2.07
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	2	2.07
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	2	2.07
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	18	2.07
(2,2194)	1:143:A:ILE:HG21	1:143:A:ILE:HA	18	2.07
(2,2194)	1:143:A:ILE:HG22	1:143:A:ILE:HA	18	2.07
(2,2194)	1:143:A:ILE:HG23	1:143:A:ILE:HA	18	2.07
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	6	2.07
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	6	2.07
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	6	2.07
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	10	2.07
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	10	2.07
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	10	2.07
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	14	2.07
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	1	2.07
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	1	2.07
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	4	2.07
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	19	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	2	2.07
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	2	2.07
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	2	2.07
(2,1940)	1:3:A:LYS:HB2	1:3:A:LYS:H	18	2.07
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	15	2.07
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	17	2.07
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	15	2.07
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	15	2.07
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	15	2.07
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	1	2.07
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	2	2.07
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	7	2.07
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	9	2.07
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	10	2.07
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	12	2.07
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	14	2.07
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	15	2.07
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	18	2.07
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	6	2.07
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	6	2.07
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	6	2.07
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	15	2.07
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	15	2.07
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	15	2.07
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	12	2.07
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	12	2.07
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	12	2.07
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	19	2.07
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	19	2.07
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	19	2.07
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	20	2.07
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	20	2.07
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	20	2.07
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	3	2.07
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	8	2.07
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	10	2.07
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	12	2.07
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	12	2.07
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	12	2.07
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	8	2.07
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	1	2.07
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	1	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	1	2.07
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	10	2.07
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	10	2.07
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	10	2.07
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	10	2.07
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	11	2.07
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	11	2.07
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	11	2.07
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	1	2.07
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	1	2.07
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	1	2.07
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	18	2.07
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	18	2.07
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	18	2.07
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	2	2.07
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	14	2.07
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	12	2.07
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	15	2.07
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	1	2.07
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	1	2.07
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	1	2.07
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	19	2.07
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	19	2.07
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	19	2.07
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	18	2.07
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	14	2.07
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	17	2.07
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	20	2.07
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	5	2.07
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	1	2.07
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	1	2.07
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	1	2.07
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	8	2.07
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	8	2.07
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	8	2.07
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	5	2.07
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	8	2.07
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	14	2.07
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	18	2.07
(2,569)	1:93:A:THR:HG21	1:93:A:THR:HA	16	2.07
(2,569)	1:93:A:THR:HG22	1:93:A:THR:HA	16	2.07
(2,569)	1:93:A:THR:HG23	1:93:A:THR:HA	16	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	6	2.07
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	4	2.07
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	6	2.07
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	9	2.07
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	16	2.07
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	4	2.07
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	7	2.07
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	9	2.07
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	16	2.07
(2,521)	1:145:A:MET:HA	1:145:A:MET:HB2	19	2.07
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	12	2.07
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	14	2.07
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	2	2.07
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	2	2.07
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	2	2.07
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	11	2.07
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	6	2.07
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	6	2.07
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	6	2.07
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	11	2.07
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	11	2.07
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	11	2.07
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	18	2.07
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	18	2.07
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	18	2.07
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	10	2.07
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	10	2.07
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	10	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	1	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	1	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	1	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	2	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	2	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	2	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	3	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	3	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	3	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	4	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	4	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	4	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	5	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	5	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	5	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	6	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	6	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	6	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	7	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	7	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	7	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	8	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	8	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	8	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	9	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	9	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	9	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	10	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	10	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	10	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	11	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	11	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	11	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	12	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	12	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	12	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	13	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	13	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	13	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	14	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	14	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	14	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	15	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	15	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	15	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	16	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	16	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	16	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	17	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	17	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	17	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	18	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	18	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	18	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	19	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	19	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	19	2.07
(2,330)	1:5:A:LEU:HD21	1:5:A:LEU:HG	20	2.07
(2,330)	1:5:A:LEU:HD22	1:5:A:LEU:HG	20	2.07
(2,330)	1:5:A:LEU:HD23	1:5:A:LEU:HG	20	2.07
(2,305)	1:116:A:LEU:HB3	1:116:A:LEU:HA	11	2.07
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	3	2.07
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	4	2.07
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	11	2.07
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	16	2.07
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	6	2.07
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	6	2.07
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	6	2.07
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	16	2.07
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	16	2.07
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	16	2.07
(2,3196)	1:54:A:PRO:HD3	1:5:A:LEU:HG	15	2.06
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	15	2.06
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	17	2.06
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	9	2.06
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	20	2.06
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	20	2.06
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	20	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	1	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	1	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	1	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	2	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	2	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	2	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	3	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	3	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	3	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	4	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	4	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	4	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	5	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	5	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	5	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	6	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	6	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	6	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	7	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	7	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	7	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	8	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	8	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	8	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	10	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	10	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	10	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	11	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	11	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	11	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	13	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	13	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	13	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	14	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	14	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	14	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	16	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	16	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	16	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	17	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	17	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	17	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	18	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	18	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	18	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	19	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	19	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	19	2.06
(2,2982)	1:156:A:ILE:HG21	1:156:A:ILE:HB	20	2.06
(2,2982)	1:156:A:ILE:HG22	1:156:A:ILE:HB	20	2.06
(2,2982)	1:156:A:ILE:HG23	1:156:A:ILE:HB	20	2.06
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	17	2.06
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	17	2.06
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	5	2.06
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	5	2.06
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	5	2.06
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	11	2.06
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	3	2.06
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	19	2.06
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	11	2.06
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	1	2.06
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	4	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	5	2.06
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	18	2.06
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	1	2.06
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	1	2.06
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	15	2.06
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	15	2.06
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	5	2.06
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	6	2.06
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	9	2.06
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	12	2.06
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	14	2.06
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	17	2.06
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	20	2.06
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	16	2.06
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	1	2.06
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	1	2.06
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	1	2.06
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	11	2.06
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	11	2.06
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	11	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	1	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	1	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	1	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	3	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	3	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	3	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	4	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	4	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	4	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	5	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	5	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	5	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	6	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	6	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	6	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	7	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	7	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	7	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	8	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	8	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	8	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	11	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	11	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	11	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	12	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	12	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	12	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	13	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	13	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	13	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	14	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	14	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	14	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	15	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	15	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	15	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	16	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	16	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	16	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	17	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	17	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	17	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	18	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	18	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	18	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	19	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	19	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	19	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	20	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	20	2.06
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	20	2.06
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	1	2.06
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	1	2.06
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	1	2.06
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	3	2.06
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	3	2.06
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	3	2.06
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	13	2.06
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	13	2.06
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	13	2.06
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	6	2.06
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	6	2.06
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	6	2.06
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	7	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	7	2.06
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	7	2.06
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	7	2.06
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	7	2.06
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	7	2.06
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	9	2.06
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	9	2.06
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	9	2.06
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	6	2.06
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	6	2.06
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	9	2.06
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	9	2.06
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	5	2.06
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	15	2.06
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	12	2.06
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	20	2.06
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	8	2.06
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	13	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	5	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	5	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	5	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	7	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	7	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	7	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	9	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	9	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	9	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	10	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	10	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	10	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	11	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	11	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	11	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	13	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	13	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	13	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	19	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	19	2.06
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	19	2.06
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	1	2.06
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	6	2.06
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	6	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	6	2.06
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	7	2.06
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	7	2.06
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	7	2.06
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	11	2.06
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	11	2.06
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	11	2.06
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	14	2.06
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	14	2.06
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	14	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	2	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	3	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	5	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	6	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	7	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	8	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	9	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	10	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	11	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	13	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	14	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	15	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	16	2.06
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	20	2.06
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	20	2.06
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	20	2.06
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	20	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	5	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	5	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	5	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	12	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	12	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	12	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	17	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	17	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	17	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	18	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	18	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	18	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	19	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	19	2.06
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	19	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1469)	1:57:A:ILE:HG21	1:57:A:ILE:HA	3	2.06
(2,1469)	1:57:A:ILE:HG22	1:57:A:ILE:HA	3	2.06
(2,1469)	1:57:A:ILE:HG23	1:57:A:ILE:HA	3	2.06
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	3	2.06
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	3	2.06
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	3	2.06
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	4	2.06
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	4	2.06
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	4	2.06
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	16	2.06
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	16	2.06
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	16	2.06
(2,1241)	1:103:A:ARG:HB3	1:103:A:ARG:HA	6	2.06
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	14	2.06
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	14	2.06
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	14	2.06
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	14	2.06
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	14	2.06
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	14	2.06
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	14	2.06
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	14	2.06
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	14	2.06
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	1	2.06
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	5	2.06
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	7	2.06
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	10	2.06
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	11	2.06
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	12	2.06
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	17	2.06
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	18	2.06
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	13	2.06
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	18	2.06
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	3	2.06
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	3	2.06
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	3	2.06
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	8	2.06
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	8	2.06
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	8	2.06
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	16	2.06
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	16	2.06
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	16	2.06
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	17	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	17	2.06
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	17	2.06
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	8	2.06
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	10	2.06
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	11	2.06
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	11	2.06
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	11	2.06
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	11	2.06
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	11	2.06
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	11	2.06
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	11	2.06
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	11	2.06
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	11	2.06
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	13	2.06
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	13	2.06
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	13	2.06
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	13	2.06
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	13	2.06
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	13	2.06
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	13	2.06
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	13	2.06
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	13	2.06
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	17	2.06
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	17	2.06
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	17	2.06
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	17	2.06
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	17	2.06
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	17	2.06
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	17	2.06
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	17	2.06
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	17	2.06
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	9	2.06
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	9	2.06
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	9	2.06
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	7	2.06
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	15	2.06
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	16	2.06
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	9	2.06
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	5	2.06
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	12	2.06
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	19	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	1	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	2	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	3	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	4	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	5	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	6	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	7	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	8	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	10	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	11	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	12	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	13	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	14	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	15	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	17	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	18	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	19	2.06
(2,554)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	20	2.06
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	16	2.06
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	9	2.06
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	1	2.06
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	1	2.06
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	1	2.06
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	2	2.06
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	2	2.06
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	2	2.06
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	8	2.06
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	8	2.06
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	8	2.06
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	10	2.06
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	10	2.06
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	10	2.06
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	14	2.06
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	14	2.06
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	14	2.06
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	16	2.06
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	16	2.06
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	16	2.06
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	20	2.06
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	20	2.06
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	20	2.06
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	2	2.06
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	20	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	7	2.06
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	15	2.06
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	2	2.06
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	2	2.06
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	2	2.06
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	5	2.06
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	5	2.06
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	5	2.06
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	8	2.06
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	8	2.06
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	8	2.06
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	14	2.06
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	14	2.06
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	14	2.06
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	15	2.06
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	15	2.06
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	15	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	3	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	3	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	3	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	3	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	3	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	3	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	3	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	3	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	3	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	5	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	5	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	5	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	5	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	5	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	5	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	5	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	5	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	5	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	9	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	9	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	9	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	9	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	9	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	9	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	9	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	9	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	9	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	10	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	10	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	10	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	10	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	10	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	10	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	10	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	10	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	10	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	13	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	13	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	13	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	13	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	13	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	13	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	13	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	13	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	13	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	15	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	15	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	15	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	15	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	15	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	15	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	15	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	15	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	15	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	16	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	16	2.06
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	16	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	16	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	16	2.06
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	16	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	16	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	16	2.06
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	16	2.06
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	4	2.05
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	2	2.05
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	13	2.05
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	15	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	6	2.05
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	6	2.05
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	6	2.05
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	10	2.05
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	10	2.05
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	10	2.05
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	15	2.05
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	15	2.05
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	15	2.05
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	6	2.05
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	20	2.05
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	17	2.05
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	13	2.05
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	19	2.05
(2,2638)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	13	2.05
(2,2638)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	13	2.05
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	2	2.05
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	3	2.05
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	7	2.05
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	8	2.05
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	10	2.05
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	15	2.05
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	19	2.05
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	2	2.05
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	2	2.05
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	2	2.05
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	3	2.05
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	3	2.05
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	3	2.05
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	5	2.05
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	5	2.05
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	5	2.05
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	11	2.05
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	11	2.05
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	11	2.05
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	14	2.05
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	2	2.05
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	5	2.05
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	11	2.05
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	11	2.05
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	11	2.05
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	8	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	8	2.05
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	8	2.05
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	2	2.05
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	2	2.05
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	2	2.05
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	9	2.05
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	9	2.05
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	9	2.05
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG21	10	2.05
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG22	10	2.05
(2,2385)	1:84:A:ILE:HB	1:84:A:ILE:HG23	10	2.05
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	6	2.05
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	6	2.05
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	6	2.05
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	8	2.05
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	8	2.05
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	8	2.05
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	5	2.05
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	5	2.05
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	5	2.05
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	15	2.05
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	15	2.05
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	15	2.05
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	14	2.05
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	14	2.05
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	14	2.05
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	20	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	4	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	4	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	4	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	8	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	8	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	8	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	11	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	11	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	11	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	16	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	16	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	16	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	18	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	18	2.05
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	18	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	1	2.05
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	1	2.05
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	1	2.05
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	8	2.05
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	8	2.05
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	12	2.05
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	6	2.05
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	6	2.05
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	6	2.05
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	7	2.05
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	7	2.05
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	7	2.05
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	3	2.05
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	4	2.05
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	6	2.05
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	14	2.05
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	15	2.05
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	16	2.05
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	18	2.05
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	20	2.05
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	1	2.05
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	1	2.05
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	1	2.05
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	4	2.05
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	4	2.05
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	4	2.05
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	7	2.05
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	7	2.05
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	7	2.05
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	19	2.05
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	11	2.05
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	19	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	1	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	1	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	1	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	2	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	2	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	2	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	3	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	3	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	3	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	14	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	14	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	14	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	18	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	18	2.05
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	18	2.05
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	2	2.05
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	2	2.05
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	2	2.05
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	2	2.05
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	1	2.05
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	4	2.05
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	12	2.05
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	17	2.05
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	18	2.05
(2,1676)	1:127:A:GLY:HA2	1:127:A:GLY:HA3	19	2.05
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	9	2.05
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	12	2.05
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	14	2.05
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	14	2.05
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	14	2.05
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	3	2.05
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	3	2.05
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	3	2.05
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	9	2.05
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	9	2.05
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	9	2.05
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	14	2.05
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	14	2.05
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	14	2.05
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	1	2.05
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	5	2.05
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	5	2.05
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	5	2.05
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	13	2.05
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	13	2.05
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	13	2.05
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	17	2.05
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	17	2.05
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	17	2.05
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	2	2.05
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	2	2.05
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	2	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	2	2.05
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	2	2.05
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	2	2.05
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	2	2.05
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	2	2.05
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	2	2.05
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	6	2.05
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	6	2.05
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	6	2.05
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	6	2.05
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	6	2.05
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	6	2.05
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	6	2.05
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	6	2.05
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	6	2.05
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	20	2.05
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	20	2.05
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	20	2.05
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	20	2.05
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	20	2.05
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	20	2.05
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	20	2.05
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	20	2.05
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	20	2.05
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	3	2.05
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	6	2.05
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	8	2.05
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	9	2.05
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	13	2.05
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	15	2.05
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	16	2.05
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	19	2.05
(2,1220)	1:162:A:ARG:HA	1:162:A:ARG:H	20	2.05
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	12	2.05
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	12	2.05
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	12	2.05
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	15	2.05
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	15	2.05
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	15	2.05
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	9	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	1	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	2	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	3	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	4	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	5	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	6	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	7	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	8	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	9	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	10	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	11	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	12	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	13	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	14	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	15	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	16	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	17	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	18	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	19	2.05
(2,959)	1:141:A:GLY:HA2	1:141:A:GLY:HA3	20	2.05
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	5	2.05
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	9	2.05
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	13	2.05
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	18	2.05
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	19	2.05
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	3	2.05
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	3	2.05
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	3	2.05
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	3	2.05
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	3	2.05
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	3	2.05
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	3	2.05
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	3	2.05
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	3	2.05
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	9	2.05
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	9	2.05
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	9	2.05
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	9	2.05
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	9	2.05
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	9	2.05
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	9	2.05
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	9	2.05
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	9	2.05
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	8	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	8	2.05
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	8	2.05
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	6	2.05
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	10	2.05
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	18	2.05
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	15	2.05
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	7	2.05
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	10	2.05
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	17	2.05
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	7	2.05
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	6	2.05
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	6	2.05
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	6	2.05
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	13	2.05
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	16	2.05
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	5	2.05
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	6	2.05
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	19	2.05
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	19	2.05
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	19	2.05
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	6	2.05
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	8	2.05
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	10	2.05
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	17	2.05
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	19	2.05
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	3	2.05
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	3	2.05
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	3	2.05
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	4	2.05
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	4	2.05
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	4	2.05
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	5	2.05
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	5	2.05
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	5	2.05
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	7	2.05
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	7	2.05
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	7	2.05
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	9	2.05
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	9	2.05
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	9	2.05
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	12	2.05
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	12	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	12	2.05
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	13	2.05
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	13	2.05
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	13	2.05
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	15	2.05
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	15	2.05
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	15	2.05
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	17	2.05
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	17	2.05
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	17	2.05
(2,382)	1:116:A:LEU:HD21	1:116:A:LEU:HG	19	2.05
(2,382)	1:116:A:LEU:HD22	1:116:A:LEU:HG	19	2.05
(2,382)	1:116:A:LEU:HD23	1:116:A:LEU:HG	19	2.05
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	19	2.05
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	19	2.05
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	19	2.05
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	1	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	1	2.05
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	1	2.05
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	2	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	2	2.05
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	2	2.05
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	3	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	3	2.05
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	3	2.05
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	4	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	4	2.05
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	4	2.05
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	5	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	5	2.05
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	5	2.05
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	6	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	6	2.05
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	6	2.05
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	9	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	9	2.05
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	9	2.05
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	11	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	11	2.05
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	11	2.05
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	12	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	12	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	12	2.05
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	15	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	15	2.05
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	15	2.05
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	18	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	18	2.05
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	18	2.05
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	19	2.05
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	19	2.05
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	19	2.05
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	10	2.05
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	5	2.05
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	16	2.05
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	4	2.05
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	4	2.05
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	4	2.05
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	11	2.05
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	11	2.05
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	11	2.05
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	12	2.05
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	12	2.05
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	12	2.05
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	20	2.05
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	20	2.05
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	20	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	2	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	2	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	2	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	2	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	2	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	2	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	2	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	2	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	2	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	6	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	6	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	6	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	6	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	6	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	6	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	6	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	6	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	6	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	8	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	8	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	8	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	8	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	8	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	8	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	8	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	8	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	8	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	12	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	12	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	12	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	12	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	12	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	12	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	12	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	12	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	12	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	14	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	14	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	14	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	14	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	14	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	14	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	14	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	14	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	14	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	17	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	17	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	17	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	17	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	17	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	17	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	17	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	17	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	17	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	19	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	19	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	19	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	19	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	19	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	19	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	19	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	19	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	19	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	20	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	20	2.05
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	20	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	20	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	20	2.05
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	20	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	20	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	20	2.05
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	20	2.05
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	16	2.04
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	20	2.04
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	10	2.04
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	10	2.04
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	10	2.04
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	1	2.04
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	5	2.04
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	14	2.04
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	18	2.04
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	20	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	4	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	4	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	4	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	6	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	6	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	6	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	7	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	7	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	7	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	8	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	8	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	8	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	9	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	9	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	9	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	10	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	10	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	10	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	13	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	13	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	13	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	14	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	14	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	14	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	19	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	19	2.04
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	19	2.04
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	9	2.04
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	9	2.04
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	9	2.04
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	9	2.04
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	9	2.04
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	9	2.04
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	9	2.04
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	9	2.04
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	9	2.04
(2,2969)	1:51:A:LEU:HD21	1:51:A:LEU:HA	20	2.04
(2,2969)	1:51:A:LEU:HD22	1:51:A:LEU:HA	20	2.04
(2,2969)	1:51:A:LEU:HD23	1:51:A:LEU:HA	20	2.04
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	12	2.04
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	12	2.04
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	12	2.04
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	2	2.04
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	2	2.04
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	2	2.04
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	12	2.04
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	12	2.04
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	12	2.04
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	17	2.04
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	17	2.04
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	17	2.04
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	20	2.04
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	20	2.04
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	20	2.04
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	2	2.04
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	3	2.04
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	10	2.04
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	16	2.04
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	13	2.04
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	1	2.04
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	1	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	1	2.04
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	18	2.04
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	17	2.04
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	5	2.04
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	5	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	2	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	2	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	2	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	7	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	7	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	7	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	8	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	8	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	8	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	10	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	10	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	10	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	16	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	16	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	16	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	17	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	17	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	17	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	19	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	19	2.04
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	19	2.04
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	14	2.04
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	8	2.04
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	8	2.04
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	8	2.04
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	9	2.04
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	9	2.04
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	9	2.04
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	14	2.04
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	14	2.04
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	14	2.04
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	12	2.04
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	12	2.04
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	12	2.04
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	10	2.04
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	10	2.04
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	10	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	13	2.04
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	13	2.04
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	13	2.04
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	14	2.04
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	14	2.04
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	14	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	2	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	2	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	2	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	3	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	3	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	3	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	5	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	5	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	5	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	9	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	9	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	9	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	12	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	12	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	12	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	14	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	14	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	14	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	20	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	20	2.04
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	20	2.04
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	3	2.04
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	11	2.04
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	3	2.04
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	3	2.04
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	3	2.04
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	18	2.04
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	18	2.04
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	20	2.04
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	17	2.04
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	1	2.04
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	2	2.04
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	5	2.04
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	7	2.04
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	8	2.04
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	9	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	10	2.04
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	11	2.04
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	13	2.04
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	17	2.04
(2,1971)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	19	2.04
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	19	2.04
(2,1894)	1:114:A:TYR:HB3	1:115:A:TRP:H	12	2.04
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	2	2.04
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	2	2.04
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	2	2.04
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	6	2.04
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	6	2.04
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	6	2.04
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	8	2.04
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	8	2.04
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	8	2.04
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	9	2.04
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	9	2.04
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	9	2.04
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	13	2.04
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	20	2.04
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	14	2.04
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	19	2.04
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	13	2.04
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	13	2.04
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	13	2.04
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	2	2.04
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	2	2.04
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	2	2.04
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	11	2.04
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	11	2.04
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	11	2.04
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	16	2.04
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	16	2.04
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	16	2.04
(2,1511)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	16	2.04
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	17	2.04
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	6	2.04
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	6	2.04
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	6	2.04
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	12	2.04
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	12	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	12	2.04
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	19	2.04
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	19	2.04
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	19	2.04
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	20	2.04
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	20	2.04
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	20	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	1	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	1	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	1	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	2	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	2	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	2	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	3	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	3	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	3	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	4	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	4	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	4	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	5	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	5	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	5	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	6	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	6	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	6	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	7	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	7	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	7	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	8	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	8	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	8	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	11	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	11	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	11	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	12	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	12	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	12	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	14	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	14	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	14	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	15	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	15	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	15	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	16	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	16	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	16	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	18	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	18	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	18	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	20	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	20	2.04
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	20	2.04
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	1	2.04
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	7	2.04
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	7	2.04
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	7	2.04
(2,1042)	1:152:A:GLU:HB2	1:153:A:LEU:H	11	2.04
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	16	2.04
(2,905)	1:4:A:LEU:HB2	1:4:A:LEU:H	11	2.04
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	5	2.04
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	8	2.04
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	16	2.04
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	18	2.04
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	18	2.04
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	18	2.04
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	9	2.04
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	11	2.04
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	11	2.04
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	11	2.04
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	19	2.04
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	19	2.04
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	19	2.04
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	18	2.04
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	16	2.04
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	1	2.04
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	2	2.04
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	8	2.04
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	2	2.04
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	8	2.04
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	1	2.04
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	4	2.04
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	18	2.04
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	5	2.04
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	5	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	5	2.04
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	12	2.04
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	12	2.04
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	12	2.04
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	17	2.04
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	17	2.04
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	17	2.04
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	5	2.04
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	5	2.04
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	5	2.04
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	9	2.04
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	9	2.04
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	9	2.04
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	3	2.04
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	7	2.04
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	12	2.04
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	15	2.04
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	11	2.04
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	13	2.04
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	7	2.04
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	7	2.04
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	7	2.04
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	8	2.04
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	8	2.04
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	8	2.04
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	10	2.04
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	10	2.04
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	10	2.04
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	13	2.04
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	13	2.04
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	13	2.04
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	14	2.04
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	14	2.04
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	14	2.04
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	16	2.04
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	16	2.04
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	16	2.04
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	17	2.04
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	17	2.04
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	17	2.04
(2,332)	1:161:A:THR:HG21	1:161:A:THR:HB	20	2.04
(2,332)	1:161:A:THR:HG22	1:161:A:THR:HB	20	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,332)	1:161:A:THR:HG23	1:161:A:THR:HB	20	2.04
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	9	2.04
(2,165)	1:82:A:TYR:HB2	1:82:A:TYR:H	20	2.04
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	5	2.04
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	6	2.04
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	19	2.04
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	17	2.04
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	17	2.04
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	1	2.04
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	1	2.04
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	1	2.04
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	7	2.04
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	7	2.04
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	7	2.04
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	18	2.04
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	18	2.04
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	18	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	1	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	1	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	1	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	1	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	1	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	1	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	1	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	1	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	1	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	4	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	4	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	4	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	4	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	4	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	4	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	4	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	4	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	4	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	7	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	7	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	7	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	7	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	7	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	7	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	7	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	7	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	7	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	11	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	11	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	11	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	11	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	11	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	11	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	11	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	11	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	11	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	18	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	18	2.04
(2,81)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	18	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	18	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	18	2.04
(2,81)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	18	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	18	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	18	2.04
(2,81)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	18	2.04
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	8	2.03
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	17	2.03
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	1	2.03
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	3	2.03
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	6	2.03
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	7	2.03
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	10	2.03
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	13	2.03
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	15	2.03
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	19	2.03
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	12	2.03
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	1	2.03
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	1	2.03
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	1	2.03
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	4	2.03
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	4	2.03
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	4	2.03
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	5	2.03
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	5	2.03
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	5	2.03
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	7	2.03
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	7	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	7	2.03
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	8	2.03
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	8	2.03
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	8	2.03
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	9	2.03
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	9	2.03
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	9	2.03
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	15	2.03
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	15	2.03
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	15	2.03
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	16	2.03
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	16	2.03
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	16	2.03
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	17	2.03
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	17	2.03
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	17	2.03
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	18	2.03
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	18	2.03
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	18	2.03
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	20	2.03
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	20	2.03
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	20	2.03
(2,3114)	1:128:A:THR:HG21	1:128:A:THR:H	17	2.03
(2,3114)	1:128:A:THR:HG22	1:128:A:THR:H	17	2.03
(2,3114)	1:128:A:THR:HG23	1:128:A:THR:H	17	2.03
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	6	2.03
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	4	2.03
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	6	2.03
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	10	2.03
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	11	2.03
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	12	2.03
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	13	2.03
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	17	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	2	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	3	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	5	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	6	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	7	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	8	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	11	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	12	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	14	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	16	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	17	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	18	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	19	2.03
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	20	2.03
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	5	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	1	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	1	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	1	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	2	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	2	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	2	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	3	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	3	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	3	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	5	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	5	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	5	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	11	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	11	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	11	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	12	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	12	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	12	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	15	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	15	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	15	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	16	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	16	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	16	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	17	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	17	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	17	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	18	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	18	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	18	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG21	20	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG22	20	2.03
(2,2992)	1:163:A:VAL:HB	1:163:A:VAL:HG23	20	2.03
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	2	2.03
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	2	2.03
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	2	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	2	2.03
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	2	2.03
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	2	2.03
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	2	2.03
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	2	2.03
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	2	2.03
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	4	2.03
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	4	2.03
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	4	2.03
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	4	2.03
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	4	2.03
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	4	2.03
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	4	2.03
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	4	2.03
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	4	2.03
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	13	2.03
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	13	2.03
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	13	2.03
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	13	2.03
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	13	2.03
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	13	2.03
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	13	2.03
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	13	2.03
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	13	2.03
(2,2823)	1:125:A:ILE:H	1:125:A:ILE:HB	12	2.03
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG21	12	2.03
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG22	12	2.03
(2,2742)	1:84:A:ILE:HA	1:84:A:ILE:HG23	12	2.03
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	1	2.03
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	2	2.03
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	5	2.03
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	8	2.03
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	9	2.03
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	15	2.03
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	20	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	1	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	2	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	3	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	4	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	5	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	6	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	7	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	8	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	9	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	10	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	11	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	12	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	14	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	15	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	16	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	17	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	18	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	19	2.03
(2,2702)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	20	2.03
(2,2668)	1:115:A:TRP:H	1:115:A:TRP:HB3	18	2.03
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	14	2.03
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	16	2.03
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	20	2.03
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	2	2.03
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	11	2.03
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	20	2.03
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	1	2.03
(2,2612)	1:126:A:HIS:HD2	1:126:A:HIS:HB3	11	2.03
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	4	2.03
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	4	2.03
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	4	2.03
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	17	2.03
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	17	2.03
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	17	2.03
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	19	2.03
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	19	2.03
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	19	2.03
(2,2580)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	14	2.03
(2,2580)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	14	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	1	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	1	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	1	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	3	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	3	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	3	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	4	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	4	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	4	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	5	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	5	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	5	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	6	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	6	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	6	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	9	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	9	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	9	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	12	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	12	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	12	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	13	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	13	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	13	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	14	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	14	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	14	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	15	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	15	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	15	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	18	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	18	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	18	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD11	20	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD12	20	2.03
(2,2538)	1:18:A:ILE:HB	1:18:A:ILE:HD13	20	2.03
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	9	2.03
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	9	2.03
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	9	2.03
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	2	2.03
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	2	2.03
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	2	2.03
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	12	2.03
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	12	2.03
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	12	2.03
(2,2366)	1:91:A:THR:HG21	1:91:A:THR:H	18	2.03
(2,2366)	1:91:A:THR:HG22	1:91:A:THR:H	18	2.03
(2,2366)	1:91:A:THR:HG23	1:91:A:THR:H	18	2.03
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	1	2.03
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	1	2.03
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	1	2.03
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	3	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	3	2.03
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	3	2.03
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	7	2.03
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	7	2.03
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	7	2.03
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	11	2.03
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	11	2.03
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	11	2.03
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	1	2.03
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	1	2.03
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	1	2.03
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	13	2.03
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	13	2.03
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	13	2.03
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	15	2.03
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	15	2.03
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	15	2.03
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	9	2.03
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	13	2.03
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	17	2.03
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	17	2.03
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	17	2.03
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	19	2.03
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	19	2.03
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	19	2.03
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	2	2.03
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	13	2.03
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	13	2.03
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	15	2.03
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	15	2.03
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	13	2.03
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	11	2.03
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	1	2.03
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	1	2.03
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	1	2.03
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	11	2.03
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	11	2.03
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	11	2.03
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	4	2.03
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	16	2.03
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	17	2.03
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	6	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	6	2.03
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	6	2.03
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	8	2.03
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	8	2.03
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	8	2.03
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	12	2.03
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	12	2.03
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	12	2.03
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	18	2.03
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	18	2.03
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	18	2.03
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	20	2.03
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	20	2.03
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	20	2.03
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	13	2.03
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	7	2.03
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	8	2.03
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	4	2.03
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	20	2.03
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	8	2.03
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	8	2.03
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	8	2.03
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	5	2.03
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	1	2.03
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	1	2.03
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	1	2.03
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	10	2.03
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	10	2.03
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	10	2.03
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	15	2.03
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	15	2.03
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	15	2.03
(2,1724)	1:78:A:VAL:HG21	1:78:A:VAL:HA	18	2.03
(2,1724)	1:78:A:VAL:HG22	1:78:A:VAL:HA	18	2.03
(2,1724)	1:78:A:VAL:HG23	1:78:A:VAL:HA	18	2.03
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	18	2.03
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	8	2.03
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	8	2.03
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	8	2.03
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	8	2.03
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	13	2.03
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	13	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	13	2.03
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	19	2.03
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	19	2.03
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	19	2.03
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	1	2.03
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	1	2.03
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	1	2.03
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	2	2.03
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	2	2.03
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	2	2.03
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	7	2.03
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	7	2.03
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	7	2.03
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	11	2.03
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	11	2.03
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	11	2.03
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	14	2.03
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	14	2.03
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	14	2.03
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	9	2.03
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	9	2.03
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	9	2.03
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	9	2.03
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	9	2.03
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	9	2.03
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	9	2.03
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	9	2.03
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	9	2.03
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	11	2.03
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	11	2.03
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	11	2.03
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	11	2.03
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	11	2.03
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	11	2.03
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	11	2.03
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	11	2.03
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	11	2.03
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	16	2.03
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	16	2.03
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	16	2.03
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	16	2.03
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	16	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	16	2.03
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	16	2.03
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	16	2.03
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	16	2.03
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	17	2.03
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	17	2.03
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	17	2.03
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	17	2.03
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	17	2.03
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	17	2.03
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	17	2.03
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	17	2.03
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	17	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	9	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	9	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	9	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	10	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	10	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	10	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	13	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	13	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	13	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	17	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	17	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	17	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	19	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	19	2.03
(2,1162)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	19	2.03
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	8	2.03
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	2	2.03
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	2	2.03
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	2	2.03
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	4	2.03
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	4	2.03
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	4	2.03
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	12	2.03
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	11	2.03
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	11	2.03
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	11	2.03
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	1	2.03
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	2	2.03
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	11	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	11	2.03
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	11	2.03
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	11	2.03
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	19	2.03
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	1	2.03
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	1	2.03
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	1	2.03
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	1	2.03
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	1	2.03
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	1	2.03
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	1	2.03
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	1	2.03
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	1	2.03
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	8	2.03
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	8	2.03
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	8	2.03
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	8	2.03
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	8	2.03
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	8	2.03
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	8	2.03
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	8	2.03
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	8	2.03
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	12	2.03
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	12	2.03
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	12	2.03
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	12	2.03
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	12	2.03
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	12	2.03
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	12	2.03
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	12	2.03
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	12	2.03
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	19	2.03
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	19	2.03
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	19	2.03
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	19	2.03
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	19	2.03
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	19	2.03
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	19	2.03
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	19	2.03
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	19	2.03
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	9	2.03
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	9	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	9	2.03
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	1	2.03
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	13	2.03
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	10	2.03
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	19	2.03
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	3	2.03
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	20	2.03
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	15	2.03
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	11	2.03
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	15	2.03
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	6	2.03
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	6	2.03
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	6	2.03
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	13	2.03
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	13	2.03
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	13	2.03
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	14	2.03
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	14	2.03
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	14	2.03
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	16	2.03
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	16	2.03
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	16	2.03
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	8	2.03
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	8	2.03
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	8	2.03
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	10	2.03
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	10	2.03
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	10	2.03
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	2	2.03
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	4	2.03
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	14	2.03
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	18	2.03
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	20	2.03
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	7	2.03
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	13	2.03
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	14	2.03
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	18	2.03
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	6	2.03
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	8	2.03
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	8	2.03
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	8	2.03
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	20	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	20	2.03
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	20	2.03
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	7	2.03
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	14	2.03
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	18	2.03
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	6	2.03
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	6	2.03
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	6	2.03
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	10	2.03
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	14	2.03
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	19	2.03
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	12	2.03
(2,84)	1:57:A:ILE:HG21	1:57:A:ILE:HA	3	2.03
(2,84)	1:57:A:ILE:HG22	1:57:A:ILE:HA	3	2.03
(2,84)	1:57:A:ILE:HG23	1:57:A:ILE:HA	3	2.03
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	13	2.03
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	2	2.02
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	4	2.02
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	5	2.02
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	8	2.02
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	9	2.02
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	11	2.02
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	12	2.02
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	14	2.02
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	16	2.02
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	17	2.02
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	18	2.02
(2,3195)	1:146:A:HIS:HB2	1:146:A:HIS:HB3	20	2.02
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	5	2.02
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	3	2.02
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	3	2.02
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	3	2.02
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	6	2.02
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	6	2.02
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	6	2.02
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	11	2.02
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	11	2.02
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	11	2.02
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	12	2.02
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	12	2.02
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	12	2.02
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	13	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	13	2.02
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	13	2.02
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	14	2.02
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	14	2.02
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	14	2.02
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	19	2.02
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	19	2.02
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	19	2.02
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	16	2.02
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	11	2.02
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	2	2.02
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	3	2.02
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	8	2.02
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	16	2.02
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	19	2.02
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	1	2.02
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	4	2.02
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	9	2.02
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	10	2.02
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	13	2.02
(2,3055)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	15	2.02
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	11	2.02
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	11	2.02
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	11	2.02
(2,3026)	1:26:A:THR:HG21	1:26:A:THR:H	20	2.02
(2,3026)	1:26:A:THR:HG22	1:26:A:THR:H	20	2.02
(2,3026)	1:26:A:THR:HG23	1:26:A:THR:H	20	2.02
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	1	2.02
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	7	2.02
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	8	2.02
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	14	2.02
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	3	2.02
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	4	2.02
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	11	2.02
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	12	2.02
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	17	2.02
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	19	2.02
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	17	2.02
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	14	2.02
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	14	2.02
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	14	2.02
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	2	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	2	2.02
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	2	2.02
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	1	2.02
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	1	2.02
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	1	2.02
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	2	2.02
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	2	2.02
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	2	2.02
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	9	2.02
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	9	2.02
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	9	2.02
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	18	2.02
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	18	2.02
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	18	2.02
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	17	2.02
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	17	2.02
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	17	2.02
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	14	2.02
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	18	2.02
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	2	2.02
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	16	2.02
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	10	2.02
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	10	2.02
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	10	2.02
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	19	2.02
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	19	2.02
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	19	2.02
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	12	2.02
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	20	2.02
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	3	2.02
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	16	2.02
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	16	2.02
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	16	2.02
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	17	2.02
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	17	2.02
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	17	2.02
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	5	2.02
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	5	2.02
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	17	2.02
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	17	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	1	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	1	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	1	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	2	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	2	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	2	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	3	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	3	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	3	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	5	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	5	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	5	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	6	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	6	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	6	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	7	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	7	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	7	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	8	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	8	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	8	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	14	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	14	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	14	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	20	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	20	2.02
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	20	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	5	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	5	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	5	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	10	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	10	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	10	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	14	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	14	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	14	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	15	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	15	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	15	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	16	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	16	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	16	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	18	2.02
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	18	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	18	2.02
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	16	2.02
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	20	2.02
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	20	2.02
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	4	2.02
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	4	2.02
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	4	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	1	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	3	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	4	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	5	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	6	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	7	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	8	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	9	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	10	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	11	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	12	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	13	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	14	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	15	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	16	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	18	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	19	2.02
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	20	2.02
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	16	2.02
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	10	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	1	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	2	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	3	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	4	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	5	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	6	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	7	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	8	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	9	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	10	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	11	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	12	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	13	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	14	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	15	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	16	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	17	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	18	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	19	2.02
(2,1721)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	20	2.02
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	7	2.02
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	7	2.02
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	7	2.02
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	7	2.02
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	14	2.02
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	12	2.02
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	12	2.02
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	12	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	2	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	4	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	5	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	6	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	8	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	9	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	10	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	11	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	12	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	13	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	14	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	17	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	18	2.02
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	20	2.02
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	3	2.02
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	3	2.02
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	3	2.02
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	3	2.02
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	3	2.02
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	3	2.02
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	3	2.02
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	3	2.02
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	3	2.02
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	17	2.02
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	17	2.02
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	3	2.02
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	2	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	1	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	2	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	3	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	4	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	5	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	6	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	7	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	8	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	9	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	10	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	11	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	13	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	14	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	15	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	16	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	17	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	18	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	19	2.02
(2,1059)	1:22:A:PHE:HB2	1:22:A:PHE:HB3	20	2.02
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	1	2.02
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	1	2.02
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	1	2.02
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	12	2.02
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	2	2.02
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	2	2.02
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	2	2.02
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	9	2.02
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	9	2.02
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	9	2.02
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	10	2.02
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	10	2.02
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	10	2.02
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	12	2.02
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	12	2.02
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	12	2.02
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	18	2.02
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	18	2.02
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	18	2.02
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	20	2.02
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	20	2.02
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	20	2.02
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	4	2.02
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	4	2.02
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	4	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	4	2.02
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	4	2.02
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	4	2.02
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	4	2.02
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	4	2.02
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	4	2.02
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	10	2.02
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	10	2.02
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	10	2.02
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	10	2.02
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	10	2.02
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	10	2.02
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	10	2.02
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	10	2.02
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	10	2.02
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	18	2.02
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	18	2.02
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	18	2.02
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	18	2.02
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	18	2.02
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	18	2.02
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	18	2.02
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	18	2.02
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	18	2.02
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	3	2.02
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	5	2.02
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	17	2.02
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	17	2.02
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	17	2.02
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	18	2.02
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	1	2.02
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	11	2.02
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	14	2.02
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	2	2.02
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	7	2.02
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	9	2.02
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	20	2.02
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	19	2.02
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	3	2.02
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	3	2.02
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	3	2.02
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	4	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	4	2.02
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	4	2.02
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	8	2.02
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	8	2.02
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	8	2.02
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	9	2.02
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	9	2.02
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	9	2.02
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	10	2.02
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	10	2.02
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	10	2.02
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	11	2.02
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	11	2.02
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	11	2.02
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	15	2.02
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	15	2.02
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	15	2.02
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	19	2.02
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	19	2.02
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	19	2.02
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	7	2.02
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	7	2.02
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	7	2.02
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	1	2.02
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	5	2.02
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	13	2.02
(2,437)	1:61:A:ILE:HB	1:61:A:ILE:HG13	16	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	1	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	2	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	3	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	4	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	5	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	6	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	8	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	9	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	10	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	11	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	12	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	15	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	16	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	17	2.02
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	19	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,417)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	20	2.02
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	4	2.02
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	4	2.02
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	4	2.02
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	6	2.02
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	13	2.02
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	15	2.02
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	20	2.02
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	20	2.02
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	19	2.02
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	9	2.02
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	11	2.01
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	11	2.01
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	11	2.01
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	12	2.01
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	12	2.01
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	12	2.01
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	20	2.01
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	3	2.01
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	14	2.01
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	18	2.01
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	20	2.01
(2,3066)	1:100:A:ILE:HG12	1:100:A:ILE:HA	7	2.01
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	6	2.01
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	12	2.01
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	15	2.01
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	8	2.01
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	8	2.01
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	8	2.01
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	8	2.01
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	8	2.01
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	8	2.01
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	8	2.01
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	8	2.01
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	8	2.01
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	4	2.01
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	4	2.01
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	4	2.01
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	17	2.01
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	17	2.01
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	17	2.01
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	14	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	14	2.01
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	14	2.01
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	16	2.01
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	16	2.01
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	16	2.01
(2,2721)	1:107:A:PRO:HD3	1:107:A:PRO:HG3	6	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	2	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	3	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	4	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	6	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	8	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	9	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	12	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	13	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	15	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	16	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	18	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	19	2.01
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	20	2.01
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	3	2.01
(2,2650)	1:100:A:ILE:HG13	1:100:A:ILE:H	14	2.01
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	2	2.01
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	2	2.01
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	2	2.01
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	17	2.01
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	17	2.01
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	17	2.01
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	7	2.01
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	7	2.01
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	7	2.01
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	10	2.01
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	5	2.01
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	5	2.01
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	5	2.01
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	6	2.01
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	6	2.01
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	6	2.01
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	14	2.01
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	14	2.01
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	14	2.01
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	19	2.01
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	19	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	19	2.01
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	3	2.01
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	3	2.01
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	3	2.01
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	10	2.01
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	10	2.01
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	10	2.01
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	11	2.01
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	11	2.01
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	11	2.01
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	15	2.01
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	15	2.01
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	15	2.01
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	8	2.01
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	8	2.01
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	8	2.01
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	11	2.01
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	11	2.01
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	11	2.01
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	1	2.01
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	1	2.01
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	1	2.01
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	7	2.01
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	7	2.01
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	7	2.01
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	13	2.01
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	3	2.01
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	5	2.01
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	8	2.01
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	10	2.01
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	12	2.01
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	15	2.01
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	17	2.01
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	19	2.01
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	20	2.01
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	16	2.01
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	13	2.01
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	13	2.01
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	13	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	4	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	4	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	4	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	9	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	9	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	9	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	10	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	10	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	10	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	11	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	11	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	11	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	12	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	12	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	12	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	13	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	13	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	13	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	15	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	15	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	15	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	16	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	16	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	16	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	17	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	17	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	17	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	18	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	18	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	18	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB1	19	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB2	19	2.01
(2,2112)	1:85:A:ALA:HA	1:85:A:ALA:HB3	19	2.01
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	11	2.01
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	16	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	1	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	2	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	3	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	4	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	7	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	10	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	12	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	13	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	14	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	15	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	16	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	17	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	18	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	19	2.01
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	20	2.01
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	19	2.01
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	19	2.01
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	19	2.01
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	2	2.01
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	2	2.01
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	2	2.01
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	7	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	1	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	1	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	1	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	2	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	2	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	2	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	3	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	3	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	3	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	4	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	4	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	4	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	6	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	6	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	6	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	8	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	8	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	8	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	9	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	9	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	9	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	13	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	13	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	13	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	17	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	17	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	17	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	19	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	19	2.01
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	19	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	2	2.01
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	8	2.01
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	7	2.01
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	11	2.01
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	7	2.01
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	7	2.01
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	7	2.01
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	15	2.01
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	15	2.01
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	15	2.01
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	17	2.01
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	17	2.01
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	17	2.01
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	19	2.01
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	19	2.01
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	19	2.01
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	3	2.01
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	3	2.01
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	3	2.01
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	17	2.01
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	17	2.01
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	17	2.01
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	19	2.01
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	19	2.01
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	19	2.01
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	4	2.01
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	2	2.01
(2,1841)	1:151:A:ILE:HG12	1:151:A:ILE:HG13	17	2.01
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	13	2.01
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	13	2.01
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	13	2.01
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	8	2.01
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	18	2.01
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	5	2.01
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	18	2.01
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	18	2.01
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	18	2.01
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	20	2.01
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	20	2.01
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	20	2.01
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	20	2.01
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	3	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	17	2.01
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	20	2.01
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	20	2.01
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	20	2.01
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	12	2.01
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	5	2.01
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	5	2.01
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	5	2.01
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	1	2.01
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	3	2.01
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	7	2.01
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	15	2.01
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	16	2.01
(2,1410)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	19	2.01
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	8	2.01
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	8	2.01
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	8	2.01
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	9	2.01
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	9	2.01
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	9	2.01
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	15	2.01
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	15	2.01
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	15	2.01
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	5	2.01
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	5	2.01
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	5	2.01
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	5	2.01
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	5	2.01
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	5	2.01
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	5	2.01
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	5	2.01
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	5	2.01
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	10	2.01
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	10	2.01
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	10	2.01
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	10	2.01
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	10	2.01
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	10	2.01
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	10	2.01
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	10	2.01
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	10	2.01
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	18	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	18	2.01
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	18	2.01
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	18	2.01
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	18	2.01
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	18	2.01
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	18	2.01
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	18	2.01
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	18	2.01
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	19	2.01
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	19	2.01
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	19	2.01
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	19	2.01
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	19	2.01
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	19	2.01
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	19	2.01
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	19	2.01
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	19	2.01
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	5	2.01
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	5	2.01
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	5	2.01
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	11	2.01
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	11	2.01
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	11	2.01
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	8	2.01
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	8	2.01
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	8	2.01
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	9	2.01
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	9	2.01
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	9	2.01
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	18	2.01
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	18	2.01
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	18	2.01
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	4	2.01
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	11	2.01
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	10	2.01
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	10	2.01
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	10	2.01
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	10	2.01
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	10	2.01
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	10	2.01
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	10	2.01
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	10	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	10	2.01
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	11	2.01
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	11	2.01
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	11	2.01
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	11	2.01
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	11	2.01
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	11	2.01
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	11	2.01
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	11	2.01
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	11	2.01
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	15	2.01
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	15	2.01
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	15	2.01
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	15	2.01
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	15	2.01
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	15	2.01
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	15	2.01
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	15	2.01
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	15	2.01
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	18	2.01
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	18	2.01
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	18	2.01
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	18	2.01
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	18	2.01
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	18	2.01
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	18	2.01
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	18	2.01
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	18	2.01
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	3	2.01
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	3	2.01
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	11	2.01
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	11	2.01
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	11	2.01
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	14	2.01
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	14	2.01
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	14	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	1	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	1	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	1	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	2	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	2	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	2	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	3	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	3	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	3	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	4	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	4	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	4	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	5	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	5	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	5	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	6	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	6	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	6	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	7	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	7	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	7	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	8	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	8	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	8	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	9	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	9	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	9	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	11	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	11	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	11	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	13	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	13	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	13	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	14	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	14	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	14	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	15	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	15	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	15	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	16	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	16	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	16	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	17	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	17	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	17	2.01
(2,797)	1:61:A:ILE:HG21	1:61:A:ILE:HB	19	2.01
(2,797)	1:61:A:ILE:HG22	1:61:A:ILE:HB	19	2.01
(2,797)	1:61:A:ILE:HG23	1:61:A:ILE:HB	19	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	1	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	1	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	1	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	3	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	3	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	3	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	4	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	4	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	4	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	5	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	5	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	5	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	6	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	6	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	6	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	7	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	7	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	7	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	8	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	8	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	8	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	9	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	9	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	9	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	10	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	10	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	10	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	12	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	12	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	12	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	13	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	13	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	13	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	14	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	14	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	14	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	15	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	15	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	15	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	16	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	16	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	16	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	17	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	17	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	17	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	18	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	18	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	18	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	19	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	19	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	19	2.01
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	20	2.01
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	20	2.01
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	20	2.01
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	6	2.01
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	15	2.01
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	18	2.01
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	6	2.01
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	6	2.01
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	6	2.01
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	6	2.01
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	6	2.01
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	6	2.01
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	6	2.01
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	6	2.01
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	6	2.01
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	7	2.01
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	7	2.01
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	7	2.01
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	7	2.01
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	7	2.01
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	7	2.01
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	7	2.01
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	7	2.01
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	7	2.01
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	15	2.01
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	15	2.01
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	15	2.01
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	15	2.01
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	15	2.01
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	15	2.01
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	15	2.01
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	15	2.01
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	15	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	4	2.01
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	8	2.01
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	14	2.01
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	15	2.01
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	16	2.01
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	3	2.01
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	9	2.01
(2,567)	1:131:A:PRO:HD2	1:132:A:ALA:H	14	2.01
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	8	2.01
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	10	2.01
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	18	2.01
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	2	2.01
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	9	2.01
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	8	2.01
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	10	2.01
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	19	2.01
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	1	2.01
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	1	2.01
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	1	2.01
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	7	2.01
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	7	2.01
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	7	2.01
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	18	2.01
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	18	2.01
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	18	2.01
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	20	2.01
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	20	2.01
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	20	2.01
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	6	2.01
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	6	2.01
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	6	2.01
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	17	2.01
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	17	2.01
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	17	2.01
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	1	2.01
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	10	2.01
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	9	2.01
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	9	2.01
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	9	2.01
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	13	2.01
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	13	2.01
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	13	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	17	2.01
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	17	2.01
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	17	2.01
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	19	2.01
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	19	2.01
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	19	2.01
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	4	2.01
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	1	2.01
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	5	2.01
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	7	2.01
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	10	2.01
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	13	2.01
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	19	2.01
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	20	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	1	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	1	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	1	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	10	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	10	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	10	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	12	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	12	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	12	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	17	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	17	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	17	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	19	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	19	2.01
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	19	2.01
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	2	2.01
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	3	2.01
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	7	2.01
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	17	2.01
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	16	2.01
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	16	2.01
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	2	2.01
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	6	2.0
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	13	2.0
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	17	2.0
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	10	2.0
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	15	2.0
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	11	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	16	2.0
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	16	2.0
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	16	2.0
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	16	2.0
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	16	2.0
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	16	2.0
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	16	2.0
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	16	2.0
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	16	2.0
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	9	2.0
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	9	2.0
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	9	2.0
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	15	2.0
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	15	2.0
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	15	2.0
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	19	2.0
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	19	2.0
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	19	2.0
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	3	2.0
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	3	2.0
(2,2859)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	3	2.0
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	16	2.0
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	1	2.0
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	5	2.0
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	11	2.0
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	17	2.0
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	4	2.0
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	4	2.0
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	4	2.0
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	4	2.0
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	10	2.0
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	10	2.0
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	10	2.0
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	15	2.0
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	15	2.0
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	15	2.0
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	19	2.0
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	19	2.0
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	19	2.0
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	12	2.0
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	12	2.0
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	12	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	11	2.0
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	13	2.0
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	13	2.0
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	13	2.0
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	17	2.0
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	17	2.0
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	17	2.0
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	7	2.0
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	7	2.0
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	7	2.0
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	14	2.0
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	14	2.0
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	14	2.0
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	4	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	1	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	1	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	1	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	2	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	2	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	2	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	4	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	4	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	4	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	5	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	5	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	5	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	6	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	6	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	6	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	7	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	7	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	7	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	8	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	8	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	8	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	9	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	9	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	9	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	12	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	12	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	12	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	13	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	13	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	13	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	14	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	14	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	14	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	15	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	15	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	15	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	16	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	16	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	16	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	17	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	17	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	17	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	18	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	18	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	18	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	19	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	19	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	19	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG21	20	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG22	20	2.0
(2,2360)	1:134:A:ILE:HB	1:134:A:ILE:HG23	20	2.0
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	6	2.0
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	6	2.0
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	6	2.0
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	10	2.0
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	10	2.0
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	10	2.0
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	15	2.0
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	15	2.0
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	15	2.0
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	10	2.0
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	12	2.0
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	17	2.0
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	1	2.0
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	4	2.0
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	7	2.0
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	13	2.0
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	18	2.0
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	13	2.0
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	13	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	13	2.0
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	16	2.0
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	16	2.0
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	16	2.0
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	19	2.0
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	19	2.0
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	19	2.0
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	20	2.0
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	20	2.0
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	20	2.0
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD11	17	2.0
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD12	17	2.0
(2,2274)	1:100:A:ILE:HB	1:100:A:ILE:HD13	17	2.0
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	2	2.0
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	8	2.0
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	11	2.0
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	5	2.0
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	14	2.0
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	18	2.0
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	20	2.0
(2,2166)	1:118:A:LEU:HD21	1:118:A:LEU:HA	4	2.0
(2,2166)	1:118:A:LEU:HD22	1:118:A:LEU:HA	4	2.0
(2,2166)	1:118:A:LEU:HD23	1:118:A:LEU:HA	4	2.0
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	4	2.0
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	4	2.0
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	4	2.0
(2,2083)	1:103:A:ARG:HD3	1:103:A:ARG:HG2	18	2.0
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	5	2.0
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	6	2.0
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	8	2.0
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	9	2.0
(2,2074)	1:120:A:LYS:HB2	1:120:A:LYS:HB3	11	2.0
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	18	2.0
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	13	2.0
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	13	2.0
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	13	2.0
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	7	2.0
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	7	2.0
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	7	2.0
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	11	2.0
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	11	2.0
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	11	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	12	2.0
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	12	2.0
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	12	2.0
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG21	20	2.0
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG22	20	2.0
(2,1949)	1:24:A:ILE:HA	1:24:A:ILE:HG23	20	2.0
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	6	2.0
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	10	2.0
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	2	2.0
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	3	2.0
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	5	2.0
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	15	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	1	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	1	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	1	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	10	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	10	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	10	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	11	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	11	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	11	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	16	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	16	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	16	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	18	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	18	2.0
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	18	2.0
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	2	2.0
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	2	2.0
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	2	2.0
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	7	2.0
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	18	2.0
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	18	2.0
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	18	2.0
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	17	2.0
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	9	2.0
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	12	2.0
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	10	2.0
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	11	2.0
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	11	2.0
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	6	2.0
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	6	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	6	2.0
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	13	2.0
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	13	2.0
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	13	2.0
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	15	2.0
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	15	2.0
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	15	2.0
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	4	2.0
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	4	2.0
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	4	2.0
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	16	2.0
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	16	2.0
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	16	2.0
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	17	2.0
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	17	2.0
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	17	2.0
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	19	2.0
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	19	2.0
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	19	2.0
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	10	2.0
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	11	2.0
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	10	2.0
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	10	2.0
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	10	2.0
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD11	6	2.0
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD12	6	2.0
(2,1522)	1:26:A:THR:HB	1:15:A:LEU:HD13	6	2.0
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	1	2.0
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	4	2.0
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	10	2.0
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	15	2.0
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	19	2.0
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	7	2.0
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	7	2.0
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	7	2.0
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	13	2.0
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	13	2.0
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	13	2.0
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	7	2.0
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	7	2.0
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	7	2.0
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	9	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	9	2.0
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	9	2.0
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	1	2.0
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	1	2.0
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	1	2.0
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	10	2.0
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	10	2.0
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	10	2.0
(2,1250)	1:78:A:VAL:HG21	1:78:A:VAL:HA	18	2.0
(2,1250)	1:78:A:VAL:HG22	1:78:A:VAL:HA	18	2.0
(2,1250)	1:78:A:VAL:HG23	1:78:A:VAL:HA	18	2.0
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	1	2.0
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	1	2.0
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	1	2.0
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	1	2.0
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	1	2.0
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	1	2.0
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	1	2.0
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	1	2.0
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	1	2.0
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	7	2.0
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	7	2.0
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	7	2.0
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	7	2.0
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	7	2.0
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	7	2.0
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	7	2.0
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	7	2.0
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	7	2.0
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	12	2.0
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	12	2.0
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	12	2.0
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	12	2.0
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	12	2.0
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	12	2.0
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	12	2.0
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	12	2.0
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	12	2.0
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	15	2.0
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	15	2.0
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	15	2.0
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	15	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	15	2.0
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	15	2.0
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	15	2.0
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	15	2.0
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	15	2.0
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	20	2.0
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	2	2.0
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	2	2.0
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	2	2.0
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	7	2.0
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	7	2.0
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	7	2.0
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	13	2.0
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	13	2.0
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	13	2.0
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	2	2.0
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	15	2.0
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	20	2.0
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	3	2.0
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	3	2.0
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	3	2.0
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	3	2.0
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	3	2.0
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	3	2.0
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	3	2.0
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	3	2.0
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	3	2.0
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	19	2.0
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	19	2.0
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	19	2.0
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	19	2.0
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	19	2.0
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	19	2.0
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	19	2.0
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	19	2.0
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	19	2.0
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	2	2.0
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	1	2.0
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	1	2.0
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	1	2.0
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	7	2.0
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	7	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	7	2.0
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	18	2.0
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	2	2.0
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	2	2.0
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	2	2.0
(2,770)	1:138:A:VAL:HG21	1:138:A:VAL:HB	2	2.0
(2,770)	1:138:A:VAL:HG22	1:138:A:VAL:HB	2	2.0
(2,770)	1:138:A:VAL:HG23	1:138:A:VAL:HB	2	2.0
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	20	2.0
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	14	2.0
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	14	2.0
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	14	2.0
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	14	2.0
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	14	2.0
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	14	2.0
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	14	2.0
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	14	2.0
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	14	2.0
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	20	2.0
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	20	2.0
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	20	2.0
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	20	2.0
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	20	2.0
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	20	2.0
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	20	2.0
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	20	2.0
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	20	2.0
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	12	2.0
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	19	2.0
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	13	2.0
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	5	2.0
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	7	2.0
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	7	2.0
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	7	2.0
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	3	2.0
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	4	2.0
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	10	2.0
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	17	2.0
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	3	2.0
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	13	2.0
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	1	2.0
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	1	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	1	2.0
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	3	2.0
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	3	2.0
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	3	2.0
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	4	2.0
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	6	2.0
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	6	2.0
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	6	2.0
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	1	2.0
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	1	2.0
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	1	2.0
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	2	2.0
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	2	2.0
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	2	2.0
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	4	2.0
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	4	2.0
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	4	2.0
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	5	2.0
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	5	2.0
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	5	2.0
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	6	2.0
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	6	2.0
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	6	2.0
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	7	2.0
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	7	2.0
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	7	2.0
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	8	2.0
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	8	2.0
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	8	2.0
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	10	2.0
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	10	2.0
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	10	2.0
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	11	2.0
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	11	2.0
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	11	2.0
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	14	2.0
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	14	2.0
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	14	2.0
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	18	2.0
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	18	2.0
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	18	2.0
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	10	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	16	2.0
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	20	2.0
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	16	2.0
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	2	2.0
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	3	2.0
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	4	2.0
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	6	2.0
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	8	2.0
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	9	2.0
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	12	2.0
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	14	2.0
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	15	2.0
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	16	2.0
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	17	2.0
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	18	2.0
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	19	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	3	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	3	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	3	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	5	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	5	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	5	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	9	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	9	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	9	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	14	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	14	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	14	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	18	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	18	2.0
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	18	2.0
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	1	2.0
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	8	2.0
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	9	2.0
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	12	2.0
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	18	2.0
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	17	2.0
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	15	2.0
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	5	1.99
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	18	1.99
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	4	1.99
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	1	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	4	1.99
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	12	1.99
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	13	1.99
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	16	1.99
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	14	1.99
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	14	1.99
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	14	1.99
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	11	1.99
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	11	1.99
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	11	1.99
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	9	1.99
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	10	1.99
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	13	1.99
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	18	1.99
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	14	1.99
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	14	1.99
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	14	1.99
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	14	1.99
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	14	1.99
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	14	1.99
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	14	1.99
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	14	1.99
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	14	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	1	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	1	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	1	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	5	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	5	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	5	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	6	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	6	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	6	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	7	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	7	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	7	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	11	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	11	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	11	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	13	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	13	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	13	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	18	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	18	1.99
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	18	1.99
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	14	1.99
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	14	1.99
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	14	1.99
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	1	1.99
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	9	1.99
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	13	1.99
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	15	1.99
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	17	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	4	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	4	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	4	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	8	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	8	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	8	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	9	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	9	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	9	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	10	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	10	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	10	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	11	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	11	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	11	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	12	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	12	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	12	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	16	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	16	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	16	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	18	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	18	1.99
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	18	1.99
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	1	1.99
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	1	1.99
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	1	1.99
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	3	1.99
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	3	1.99
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	3	1.99
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	7	1.99
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	7	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	7	1.99
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	8	1.99
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	8	1.99
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	8	1.99
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	12	1.99
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	12	1.99
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	12	1.99
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	13	1.99
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	13	1.99
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	13	1.99
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	18	1.99
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	18	1.99
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	18	1.99
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	8	1.99
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	8	1.99
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	8	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	2	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	2	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	2	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	3	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	3	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	3	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	4	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	4	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	4	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	10	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	10	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	10	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	12	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	12	1.99
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	12	1.99
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	20	1.99
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	16	1.99
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	16	1.99
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	16	1.99
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	18	1.99
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	18	1.99
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	18	1.99
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	19	1.99
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	4	1.99
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	4	1.99
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	4	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	19	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	3	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	3	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	3	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	11	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	11	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	11	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	13	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	13	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	13	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	17	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	17	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	17	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	18	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	18	1.99
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	18	1.99
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	9	1.99
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	9	1.99
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	9	1.99
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	10	1.99
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	10	1.99
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	10	1.99
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	12	1.99
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	12	1.99
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	12	1.99
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	15	1.99
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	15	1.99
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	15	1.99
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	17	1.99
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	17	1.99
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	17	1.99
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	1	1.99
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	4	1.99
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	5	1.99
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	2	1.99
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	6	1.99
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	12	1.99
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	17	1.99
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	9	1.99
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	9	1.99
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	9	1.99
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	19	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	19	1.99
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	19	1.99
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	11	1.99
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	5	1.99
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	5	1.99
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	7	1.99
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	11	1.99
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	15	1.99
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	18	1.99
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	1	1.99
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	6	1.99
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	8	1.99
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	9	1.99
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	10	1.99
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	12	1.99
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	13	1.99
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	18	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	8	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	8	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	8	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	9	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	9	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	9	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	12	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	12	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	12	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	14	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	14	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	14	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	20	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	20	1.99
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	20	1.99
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	5	1.99
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	5	1.99
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	5	1.99
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	16	1.99
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	8	1.99
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	8	1.99
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	8	1.99
(2,1833)	1:147:A:ASN:HB3	1:147:A:ASN:HA	17	1.99
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	3	1.99
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	4	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	6	1.99
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	14	1.99
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	10	1.99
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	10	1.99
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	14	1.99
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	15	1.99
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	16	1.99
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	16	1.99
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	16	1.99
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	1	1.99
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	1	1.99
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	1	1.99
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	3	1.99
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	3	1.99
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	3	1.99
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	5	1.99
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	5	1.99
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	5	1.99
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	7	1.99
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	7	1.99
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	7	1.99
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	11	1.99
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	11	1.99
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	11	1.99
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	13	1.99
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	13	1.99
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	13	1.99
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	14	1.99
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	14	1.99
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	14	1.99
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	15	1.99
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	15	1.99
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	15	1.99
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	2	1.99
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	7	1.99
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	8	1.99
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	9	1.99
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	13	1.99
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	18	1.99
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	20	1.99
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	19	1.99
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	2	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	2	1.99
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	2	1.99
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	3	1.99
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	3	1.99
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	3	1.99
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	4	1.99
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	4	1.99
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	4	1.99
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	14	1.99
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	14	1.99
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	14	1.99
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	15	1.99
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	15	1.99
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	15	1.99
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	18	1.99
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	18	1.99
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	18	1.99
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG21	4	1.99
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG22	4	1.99
(2,1228)	1:9:A:VAL:HG21	1:46:A:ILE:HG23	4	1.99
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG21	4	1.99
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG22	4	1.99
(2,1228)	1:9:A:VAL:HG22	1:46:A:ILE:HG23	4	1.99
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG21	4	1.99
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG22	4	1.99
(2,1228)	1:9:A:VAL:HG23	1:46:A:ILE:HG23	4	1.99
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	17	1.99
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	18	1.99
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	10	1.99
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	10	1.99
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	10	1.99
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	1	1.99
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	5	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	1	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	1	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	1	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	1	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	1	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	1	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	1	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	1	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	1	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	2	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	2	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	2	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	2	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	2	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	2	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	2	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	2	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	2	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	4	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	4	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	4	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	4	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	4	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	4	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	4	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	4	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	4	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	6	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	6	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	6	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	6	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	6	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	6	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	6	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	6	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	6	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	7	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	7	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	7	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	7	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	7	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	7	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	7	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	7	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	7	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	8	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	8	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	8	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	8	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	8	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	8	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	8	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	8	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	8	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	12	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	12	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	12	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	12	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	12	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	12	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	12	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	12	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	12	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	13	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	13	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	13	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	13	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	13	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	13	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	13	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	13	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	13	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	14	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	14	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	14	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	14	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	14	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	14	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	14	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	14	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	14	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	16	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	16	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	16	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	16	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	16	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	16	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	16	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	16	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	16	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	17	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	17	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	17	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	17	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	17	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	17	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	17	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	17	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	17	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	20	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	20	1.99
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	20	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	20	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	20	1.99
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	20	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	20	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	20	1.99
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	20	1.99
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	9	1.99
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	9	1.99
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	9	1.99
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	8	1.99
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	8	1.99
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	8	1.99
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	10	1.99
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	10	1.99
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	10	1.99
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	20	1.99
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	20	1.99
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	20	1.99
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	10	1.99
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	10	1.99
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	10	1.99
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	10	1.99
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	13	1.99
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	7	1.99
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	14	1.99
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	2	1.99
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	11	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	1	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	1	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	1	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	2	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	2	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	2	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	3	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	3	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	3	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	4	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	4	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	4	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	5	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	5	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	5	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	6	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	6	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	6	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	7	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	7	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	7	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	8	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	8	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	8	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	9	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	9	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	9	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	10	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	10	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	10	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	11	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	11	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	11	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	13	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	13	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	13	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	14	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	14	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	14	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	15	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	15	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	15	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	16	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	16	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	16	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	17	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	17	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	17	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	18	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	18	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	18	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	19	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	19	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	19	1.99
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	20	1.99
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	20	1.99
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	20	1.99
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	5	1.99
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	5	1.99
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	5	1.99
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	12	1.99
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	12	1.99
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	12	1.99
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	17	1.99
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	17	1.99
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	17	1.99
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	3	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	1	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	1	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	1	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	2	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	2	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	2	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	3	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	3	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	3	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	4	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	4	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	4	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	5	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	5	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	5	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	6	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	6	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	6	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	8	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	8	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	8	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	9	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	9	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	9	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	10	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	10	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	10	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	11	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	11	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	11	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	12	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	12	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	12	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	13	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	13	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	13	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	14	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	14	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	14	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	15	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	15	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	15	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	16	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	16	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	16	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	17	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	17	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	17	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	18	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	18	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	18	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	19	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	19	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	19	1.99
(2,503)	1:5:A:LEU:HD11	1:5:A:LEU:HG	20	1.99
(2,503)	1:5:A:LEU:HD12	1:5:A:LEU:HG	20	1.99
(2,503)	1:5:A:LEU:HD13	1:5:A:LEU:HG	20	1.99
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	8	1.99
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	12	1.99
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	16	1.99
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	20	1.99
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	20	1.99
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	20	1.99
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	12	1.99
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	2	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	4	1.99
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	4	1.99
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	4	1.99
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	15	1.99
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	15	1.99
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	15	1.99
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	20	1.99
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	20	1.99
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	20	1.99
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	17	1.99
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	9	1.99
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	9	1.99
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	9	1.99
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	10	1.99
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	10	1.99
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	10	1.99
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	11	1.99
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	11	1.99
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	11	1.99
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	12	1.99
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	12	1.99
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	12	1.99
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	16	1.99
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	16	1.99
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	16	1.99
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	17	1.99
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	17	1.99
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	17	1.99
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	3	1.99
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	3	1.99
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	3	1.99
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	12	1.99
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	12	1.99
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	12	1.99
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	15	1.99
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	15	1.99
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	15	1.99
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	16	1.99
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	16	1.99
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	16	1.99
(2,346)	1:57:A:ILE:HG21	1:57:A:ILE:HB	20	1.99
(2,346)	1:57:A:ILE:HG22	1:57:A:ILE:HB	20	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,346)	1:57:A:ILE:HG23	1:57:A:ILE:HB	20	1.99
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	1	1.99
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	2	1.99
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	3	1.99
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	5	1.99
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	9	1.99
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	11	1.99
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	15	1.99
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	6	1.99
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	1	1.99
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	1	1.99
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	1	1.99
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	2	1.99
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	2	1.99
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	2	1.99
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	11	1.99
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	11	1.99
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	11	1.99
(2,186)	1:124:A:GLY:HA2	1:125:A:ILE:H	4	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	1	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	1	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	1	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	2	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	2	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	2	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	3	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	3	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	3	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	4	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	4	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	4	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	5	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	5	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	5	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	6	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	6	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	6	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	7	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	7	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	7	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	8	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	8	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	8	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	9	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	9	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	9	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	10	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	10	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	10	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	11	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	11	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	11	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	12	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	12	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	12	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	13	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	13	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	13	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	14	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	14	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	14	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	15	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	15	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	15	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	16	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	16	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	16	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	17	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	17	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	17	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	18	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	18	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	18	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	19	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	19	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	19	1.99
(2,167)	1:90:A:LEU:HD11	1:90:A:LEU:HG	20	1.99
(2,167)	1:90:A:LEU:HD12	1:90:A:LEU:HG	20	1.99
(2,167)	1:90:A:LEU:HD13	1:90:A:LEU:HG	20	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	2	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	3	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	4	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	5	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	6	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	7	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	8	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	12	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	13	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	14	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	15	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	17	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	18	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	19	1.99
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	20	1.99
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	6	1.99
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	14	1.99
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	14	1.99
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	14	1.99
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	9	1.98
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	3	1.98
(2,3133)	1:84:A:ILE:HD11	1:84:A:ILE:HA	2	1.98
(2,3133)	1:84:A:ILE:HD12	1:84:A:ILE:HA	2	1.98
(2,3133)	1:84:A:ILE:HD13	1:84:A:ILE:HA	2	1.98
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	5	1.98
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	17	1.98
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	19	1.98
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	16	1.98
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	16	1.98
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	16	1.98
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	20	1.98
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	20	1.98
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	20	1.98
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	11	1.98
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	17	1.98
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	19	1.98
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	2	1.98
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	2	1.98
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	2	1.98
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	3	1.98
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	3	1.98
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	3	1.98
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	3	1.98
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	3	1.98
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	3	1.98
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	3	1.98
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	3	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	3	1.98
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	2	1.98
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	2	1.98
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	3	1.98
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	3	1.98
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	3	1.98
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	4	1.98
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	4	1.98
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	4	1.98
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	8	1.98
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	8	1.98
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	8	1.98
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	9	1.98
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	9	1.98
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	9	1.98
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	17	1.98
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	18	1.98
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	10	1.98
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	12	1.98
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	18	1.98
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	19	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	2	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	2	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	2	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	3	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	3	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	3	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	5	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	5	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	5	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	6	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	6	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	6	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	7	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	7	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	7	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	13	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	13	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	13	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	14	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	14	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	14	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	15	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	15	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	15	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	17	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	17	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	17	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	20	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	20	1.98
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	20	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	1	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	2	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	3	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	4	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	5	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	6	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	7	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	8	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	9	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	10	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	11	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	12	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	13	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	14	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	15	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	16	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	17	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	18	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	19	1.98
(2,2643)	1:73:A:SER:HB2	1:73:A:SER:HB3	20	1.98
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	6	1.98
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	6	1.98
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	6	1.98
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	9	1.98
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	9	1.98
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	9	1.98
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	11	1.98
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	11	1.98
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	11	1.98
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	16	1.98
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	16	1.98
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	16	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	1	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	1	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	1	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	7	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	7	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	7	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	8	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	8	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	8	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	9	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	9	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	9	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	16	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	16	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	16	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	18	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	18	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	18	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	20	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	20	1.98
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	20	1.98
(2,2469)	1:145:A:MET:HA	1:145:A:MET:HB3	12	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	1	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	1	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	1	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	3	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	3	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	3	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	4	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	4	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	4	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	5	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	5	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	5	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	6	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	6	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	6	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	10	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	10	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	10	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	12	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	12	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	12	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	17	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	17	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	17	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	20	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	20	1.98
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	20	1.98
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	4	1.98
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	4	1.98
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	4	1.98
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	16	1.98
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	16	1.98
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	16	1.98
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	7	1.98
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	7	1.98
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	7	1.98
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	18	1.98
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	18	1.98
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	18	1.98
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	18	1.98
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	18	1.98
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	18	1.98
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	20	1.98
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	20	1.98
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	20	1.98
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	1	1.98
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	1	1.98
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	1	1.98
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	1	1.98
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	20	1.98
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	20	1.98
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	20	1.98
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	11	1.98
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	14	1.98
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	11	1.98
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	11	1.98
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	2	1.98
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	2	1.98
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	2	1.98
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	3	1.98
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	3	1.98
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	3	1.98
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	5	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	5	1.98
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	5	1.98
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	7	1.98
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	7	1.98
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	7	1.98
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	11	1.98
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	11	1.98
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	11	1.98
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	18	1.98
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	18	1.98
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	18	1.98
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	7	1.98
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	4	1.98
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	15	1.98
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	2	1.98
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	8	1.98
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	12	1.98
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	13	1.98
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	16	1.98
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	12	1.98
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	12	1.98
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	12	1.98
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	15	1.98
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	15	1.98
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	15	1.98
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	3	1.98
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	12	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	3	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	3	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	3	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	4	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	4	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	4	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	5	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	5	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	5	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	6	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	6	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	6	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	9	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	9	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	9	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	10	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	10	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	10	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	12	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	12	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	12	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	13	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	13	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	13	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	14	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	14	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	14	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	15	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	15	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	15	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	16	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	16	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	16	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	17	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	17	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	17	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	20	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	20	1.98
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	20	1.98
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	10	1.98
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	10	1.98
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	10	1.98
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	3	1.98
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	4	1.98
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	9	1.98
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	17	1.98
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	19	1.98
(2,1924)	1:126:A:HIS:HB3	1:126:A:HIS:HA	14	1.98
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	5	1.98
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	5	1.98
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	5	1.98
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	6	1.98
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	6	1.98
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	6	1.98
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	13	1.98
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	13	1.98
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	13	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	19	1.98
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	2	1.98
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	5	1.98
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	12	1.98
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	16	1.98
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	20	1.98
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	1	1.98
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	1	1.98
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	1	1.98
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	3	1.98
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	3	1.98
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	3	1.98
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	6	1.98
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	6	1.98
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	6	1.98
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	14	1.98
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	14	1.98
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	14	1.98
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	15	1.98
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	15	1.98
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	15	1.98
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	18	1.98
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	18	1.98
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	18	1.98
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	4	1.98
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	4	1.98
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	4	1.98
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	2	1.98
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	10	1.98
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	14	1.98
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	14	1.98
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	4	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	1	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	1	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	1	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	4	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	4	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	4	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	10	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	10	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	10	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	11	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	11	1.98
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	11	1.98
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	2	1.98
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	2	1.98
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	2	1.98
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	7	1.98
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	7	1.98
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	7	1.98
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	10	1.98
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	10	1.98
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	10	1.98
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	11	1.98
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	11	1.98
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	11	1.98
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	14	1.98
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	14	1.98
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	14	1.98
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	15	1.98
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	15	1.98
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	15	1.98
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	2	1.98
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	2	1.98
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	2	1.98
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	3	1.98
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	3	1.98
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	3	1.98
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	4	1.98
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	4	1.98
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	4	1.98
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	5	1.98
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	5	1.98
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	5	1.98
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	12	1.98
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	12	1.98
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	12	1.98
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	16	1.98
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	16	1.98
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	16	1.98
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	18	1.98
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	18	1.98
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	18	1.98
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	19	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	19	1.98
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	19	1.98
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	5	1.98
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	6	1.98
(2,1520)	1:145:A:MET:HB2	1:145:A:MET:HG3	16	1.98
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	7	1.98
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	12	1.98
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	14	1.98
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	11	1.98
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	11	1.98
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	11	1.98
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	17	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	1	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	2	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	3	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	4	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	5	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	6	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	7	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	8	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	9	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	10	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	11	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	12	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	13	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	14	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	15	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	16	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	17	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	18	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	19	1.98
(2,1109)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	20	1.98
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	6	1.98
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	4	1.98
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	4	1.98
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	4	1.98
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	5	1.98
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	5	1.98
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	5	1.98
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	8	1.98
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	5	1.98
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	5	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	5	1.98
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	5	1.98
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	5	1.98
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	5	1.98
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	5	1.98
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	5	1.98
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	5	1.98
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	8	1.98
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	8	1.98
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	8	1.98
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	10	1.98
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	10	1.98
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	10	1.98
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	1	1.98
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	1	1.98
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	1	1.98
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	2	1.98
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	2	1.98
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	2	1.98
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	2	1.98
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	2	1.98
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	2	1.98
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	2	1.98
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	2	1.98
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	2	1.98
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	2	1.98
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	16	1.98
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	16	1.98
(2,751)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	16	1.98
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	16	1.98
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	16	1.98
(2,751)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	16	1.98
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	16	1.98
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	16	1.98
(2,751)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	16	1.98
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	1	1.98
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	13	1.98
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	20	1.98
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	13	1.98
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	13	1.98
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	13	1.98
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	13	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	13	1.98
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	13	1.98
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	13	1.98
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	13	1.98
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	13	1.98
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	3	1.98
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	3	1.98
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	3	1.98
(2,620)	1:125:A:ILE:HG21	1:125:A:ILE:HB	12	1.98
(2,620)	1:125:A:ILE:HG22	1:125:A:ILE:HB	12	1.98
(2,620)	1:125:A:ILE:HG23	1:125:A:ILE:HB	12	1.98
(2,609)	1:82:A:TYR:HA	1:82:A:TYR:HB3	2	1.98
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	6	1.98
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	6	1.98
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	6	1.98
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	13	1.98
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	13	1.98
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	13	1.98
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	14	1.98
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	14	1.98
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	14	1.98
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	16	1.98
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	16	1.98
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	16	1.98
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	3	1.98
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	9	1.98
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	6	1.98
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	13	1.98
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	18	1.98
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	19	1.98
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	1	1.98
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	6	1.98
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	18	1.98
(2,455)	1:149:A:ASP:H	1:149:A:ASP:HB2	17	1.98
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	2	1.98
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	2	1.98
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	2	1.98
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	11	1.98
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	11	1.98
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	11	1.98
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	14	1.98
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	14	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	14	1.98
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	1	1.98
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	1	1.98
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	1	1.98
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	8	1.98
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	12	1.98
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	16	1.98
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	19	1.98
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	20	1.98
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	6	1.98
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	12	1.98
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	19	1.98
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	11	1.98
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	11	1.98
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	11	1.98
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	3	1.98
(2,251)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	11	1.98
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	19	1.98
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	19	1.98
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	19	1.98
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	20	1.98
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	20	1.98
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	20	1.98
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	16	1.98
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	16	1.98
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	16	1.98
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	1	1.98
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	9	1.98
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	10	1.98
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	11	1.98
(2,134)	1:48:A:ILE:H	1:48:A:ILE:HA	16	1.98
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	17	1.98
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	18	1.98
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	18	1.98
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	18	1.98
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	5	1.97
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	5	1.97
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	5	1.97
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	12	1.97
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	12	1.97
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	12	1.97
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	2	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	8	1.97
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	14	1.97
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	1	1.97
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	1	1.97
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	1	1.97
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	3	1.97
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	3	1.97
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	3	1.97
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	7	1.97
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	7	1.97
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	7	1.97
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	11	1.97
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	11	1.97
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	11	1.97
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	6	1.97
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	6	1.97
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	6	1.97
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	7	1.97
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	18	1.97
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	19	1.97
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	2	1.97
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	7	1.97
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	8	1.97
(2,3077)	1:142:A:CYS:HB2	1:142:A:CYS:HA	9	1.97
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	5	1.97
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	5	1.97
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	5	1.97
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	3	1.97
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	4	1.97
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	16	1.97
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	20	1.97
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	20	1.97
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	18	1.97
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	18	1.97
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	18	1.97
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	18	1.97
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	18	1.97
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	18	1.97
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	18	1.97
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	18	1.97
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	18	1.97
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG11	10	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG12	10	1.97
(2,2893)	1:164:A:THR:H	1:163:A:VAL:HG13	10	1.97
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	6	1.97
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	4	1.97
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	4	1.97
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	4	1.97
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	16	1.97
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	16	1.97
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	16	1.97
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	18	1.97
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	18	1.97
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	18	1.97
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	10	1.97
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	20	1.97
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG21	19	1.97
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG22	19	1.97
(2,2654)	1:6:A:THR:HA	1:6:A:THR:HG23	19	1.97
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	11	1.97
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	11	1.97
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	11	1.97
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	9	1.97
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	9	1.97
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	9	1.97
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	15	1.97
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	15	1.97
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	15	1.97
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	1	1.97
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	1	1.97
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	1	1.97
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	17	1.97
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	17	1.97
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	17	1.97
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	2	1.97
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	2	1.97
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	2	1.97
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	7	1.97
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	7	1.97
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	7	1.97
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	13	1.97
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	13	1.97
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	13	1.97
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	18	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	18	1.97
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	18	1.97
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	1	1.97
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	1	1.97
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	1	1.97
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	6	1.97
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	6	1.97
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	6	1.97
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	8	1.97
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	8	1.97
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	8	1.97
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	13	1.97
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	13	1.97
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	13	1.97
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	19	1.97
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	19	1.97
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	19	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	5	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	5	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	5	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	8	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	8	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	8	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	9	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	9	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	9	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	14	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	14	1.97
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	14	1.97
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	6	1.97
(2,2290)	1:7:A:TYR:HB2	1:7:A:TYR:HA	9	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	1	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	1	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	4	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	4	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	6	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	6	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	9	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	9	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	10	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	10	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	17	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	17	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	18	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	18	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	19	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	19	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	20	1.97
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	20	1.97
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	1	1.97
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	1	1.97
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	1	1.97
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	4	1.97
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	4	1.97
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	4	1.97
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	6	1.97
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	6	1.97
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	6	1.97
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	8	1.97
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	8	1.97
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	8	1.97
(2,2275)	1:100:A:ILE:HG21	1:100:A:ILE:HA	14	1.97
(2,2275)	1:100:A:ILE:HG22	1:100:A:ILE:HA	14	1.97
(2,2275)	1:100:A:ILE:HG23	1:100:A:ILE:HA	14	1.97
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	15	1.97
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	10	1.97
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	19	1.97
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	8	1.97
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	8	1.97
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	8	1.97
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	16	1.97
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	16	1.97
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	16	1.97
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	18	1.97
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	18	1.97
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	18	1.97
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	6	1.97
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	1	1.97
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	4	1.97
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	7	1.97
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	10	1.97
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	11	1.97
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	15	1.97
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	18	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	20	1.97
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	5	1.97
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	5	1.97
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	5	1.97
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	2	1.97
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	2	1.97
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	2	1.97
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	17	1.97
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	17	1.97
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	17	1.97
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	9	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	1	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	1	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	1	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	2	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	2	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	2	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	7	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	7	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	7	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	8	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	8	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	8	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	11	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	11	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	11	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	18	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	18	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	18	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD21	19	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD22	19	1.97
(2,2044)	1:153:A:LEU:HG	1:153:A:LEU:HD23	19	1.97
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	5	1.97
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	5	1.97
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	5	1.97
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	12	1.97
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	14	1.97
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	2	1.97
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	2	1.97
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	2	1.97
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG21	3	1.97
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG22	3	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1917)	1:84:A:ILE:H	1:84:A:ILE:HG23	3	1.97
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	16	1.97
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	9	1.97
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	9	1.97
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	9	1.97
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	13	1.97
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	13	1.97
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	13	1.97
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	14	1.97
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	2	1.97
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	2	1.97
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	2	1.97
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	4	1.97
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	4	1.97
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	4	1.97
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	5	1.97
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	5	1.97
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	5	1.97
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	9	1.97
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	9	1.97
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	9	1.97
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	10	1.97
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	10	1.97
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	10	1.97
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	12	1.97
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	12	1.97
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	12	1.97
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	16	1.97
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	16	1.97
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	16	1.97
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	17	1.97
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	17	1.97
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	17	1.97
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	19	1.97
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	19	1.97
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	19	1.97
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	15	1.97
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	16	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	1	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	2	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	3	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	4	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	5	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	6	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	7	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	8	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	9	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	10	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	11	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	12	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	13	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	14	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	15	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	16	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	17	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	18	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	19	1.97
(2,1746)	1:101:A:ILE:HG12	1:101:A:ILE:HG13	20	1.97
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	1	1.97
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	7	1.97
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	16	1.97
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	6	1.97
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	13	1.97
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	3	1.97
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	3	1.97
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	3	1.97
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	17	1.97
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	17	1.97
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	17	1.97
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	6	1.97
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	6	1.97
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	6	1.97
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	8	1.97
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	8	1.97
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	8	1.97
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	5	1.97
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	6	1.97
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	1	1.97
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	1	1.97
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	1	1.97
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	6	1.97
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	6	1.97
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	6	1.97
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	9	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	9	1.97
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	9	1.97
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	17	1.97
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	17	1.97
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	17	1.97
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	20	1.97
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	20	1.97
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	20	1.97
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	2	1.97
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	2	1.97
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	2	1.97
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	16	1.97
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	16	1.97
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	16	1.97
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	19	1.97
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	19	1.97
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	19	1.97
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	9	1.97
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	11	1.97
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	16	1.97
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	20	1.97
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	1	1.97
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	1	1.97
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	1	1.97
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	17	1.97
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	17	1.97
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	17	1.97
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	1	1.97
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	4	1.97
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	14	1.97
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	14	1.97
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	6	1.97
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	6	1.97
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	6	1.97
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	15	1.97
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	15	1.97
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	15	1.97
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	16	1.97
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	16	1.97
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	16	1.97
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	20	1.97
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	20	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	20	1.97
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	6	1.97
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	6	1.97
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	6	1.97
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	14	1.97
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	14	1.97
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	14	1.97
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	15	1.97
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	15	1.97
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	15	1.97
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	17	1.97
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	17	1.97
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	17	1.97
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	5	1.97
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	5	1.97
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	5	1.97
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	7	1.97
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	7	1.97
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	7	1.97
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	13	1.97
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	13	1.97
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	13	1.97
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	12	1.97
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	19	1.97
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	20	1.97
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	11	1.97
(2,737)	1:24:A:ILE:HG12	1:19:A:ALA:HA	7	1.97
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	7	1.97
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	7	1.97
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	7	1.97
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	7	1.97
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	7	1.97
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	7	1.97
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	7	1.97
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	7	1.97
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	7	1.97
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	8	1.97
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	8	1.97
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	8	1.97
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	8	1.97
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	8	1.97
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	8	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	8	1.97
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	8	1.97
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	8	1.97
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	7	1.97
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	7	1.97
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	7	1.97
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	13	1.97
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	13	1.97
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	13	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	3	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	3	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	3	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	3	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	3	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	3	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	3	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	3	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	3	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	4	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	4	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	4	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	4	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	4	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	4	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	4	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	4	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	4	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	6	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	6	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	6	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	6	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	6	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	6	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	6	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	6	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	6	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	7	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	7	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	7	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	7	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	7	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	7	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	7	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	7	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	7	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	8	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	8	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	8	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	8	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	8	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	8	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	8	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	8	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	8	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	9	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	9	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	9	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	9	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	9	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	9	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	9	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	9	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	9	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	10	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	10	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	10	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	10	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	10	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	10	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	10	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	10	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	10	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	11	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	11	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	11	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	11	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	11	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	11	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	11	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	11	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	11	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	12	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	12	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	12	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	12	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	12	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	12	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	12	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	12	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	12	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	13	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	13	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	13	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	13	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	13	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	13	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	13	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	13	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	13	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	14	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	14	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	14	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	14	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	14	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	14	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	14	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	14	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	14	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	16	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	16	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	16	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	16	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	16	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	16	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	16	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	16	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	16	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	17	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	17	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	17	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	17	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	17	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	17	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	17	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	17	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	17	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	18	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	18	1.97
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	18	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	18	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	18	1.97
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	18	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	18	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	18	1.97
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	18	1.97
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	11	1.97
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	3	1.97
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	3	1.97
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	3	1.97
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	4	1.97
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	4	1.97
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	4	1.97
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	8	1.97
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	8	1.97
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	8	1.97
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	9	1.97
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	9	1.97
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	9	1.97
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	10	1.97
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	10	1.97
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	10	1.97
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	11	1.97
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	11	1.97
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	11	1.97
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	15	1.97
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	15	1.97
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	15	1.97
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	19	1.97
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	19	1.97
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	19	1.97
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	6	1.97
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	7	1.97
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	1	1.97
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	5	1.97
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	9	1.97
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	12	1.97
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	2	1.97
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	2	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	2	1.97
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	5	1.97
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	5	1.97
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	5	1.97
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	18	1.97
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	18	1.97
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	18	1.97
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	8	1.97
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	9	1.97
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	4	1.97
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	6	1.97
(2,335)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	17	1.97
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	3	1.97
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	5	1.97
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	7	1.97
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	10	1.97
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	13	1.97
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	15	1.97
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	3	1.97
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	3	1.97
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	3	1.97
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	17	1.97
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	17	1.97
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	17	1.97
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	10	1.97
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	10	1.97
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	10	1.97
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	12	1.97
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	12	1.97
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	12	1.97
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	13	1.97
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	13	1.97
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	13	1.97
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	16	1.97
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	16	1.97
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	16	1.97
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	17	1.97
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	17	1.97
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	17	1.97
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	8	1.97
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	8	1.97
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	8	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	14	1.97
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	5	1.97
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	4	1.97
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	4	1.97
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	4	1.97
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	7	1.97
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	7	1.97
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	7	1.97
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	11	1.97
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	11	1.97
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	11	1.97
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	16	1.97
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	16	1.97
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	16	1.97
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	1	1.96
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	15	1.96
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	15	1.96
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	15	1.96
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	6	1.96
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	6	1.96
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	6	1.96
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	1	1.96
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	7	1.96
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	10	1.96
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	13	1.96
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	15	1.96
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	6	1.96
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	6	1.96
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	6	1.96
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	9	1.96
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	9	1.96
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	9	1.96
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	15	1.96
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	15	1.96
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	15	1.96
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	18	1.96
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	18	1.96
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	18	1.96
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	9	1.96
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	3	1.96
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	3	1.96
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	3	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	5	1.96
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	5	1.96
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	5	1.96
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	14	1.96
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	14	1.96
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	14	1.96
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	20	1.96
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	20	1.96
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	20	1.96
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	6	1.96
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	14	1.96
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	4	1.96
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	4	1.96
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	4	1.96
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	9	1.96
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	9	1.96
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	9	1.96
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	3	1.96
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	16	1.96
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	18	1.96
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	5	1.96
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	5	1.96
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	5	1.96
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	5	1.96
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	5	1.96
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	5	1.96
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	5	1.96
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	5	1.96
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	5	1.96
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	6	1.96
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	6	1.96
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	6	1.96
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	6	1.96
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	6	1.96
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	6	1.96
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	6	1.96
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	6	1.96
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	6	1.96
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	6	1.96
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	6	1.96
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	6	1.96
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	8	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	8	1.96
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	8	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	1	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	1	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	1	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	2	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	2	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	2	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	3	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	3	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	3	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	4	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	4	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	4	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	5	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	5	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	5	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	6	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	6	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	6	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	7	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	7	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	7	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	8	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	8	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	8	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	9	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	9	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	9	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	10	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	10	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	10	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	11	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	11	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	11	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	12	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	12	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	12	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	13	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	13	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	13	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	14	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	14	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	14	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	15	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	15	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	15	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	16	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	16	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	16	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	17	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	17	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	17	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	18	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	18	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	18	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	19	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	19	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	19	1.96
(2,2891)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	20	1.96
(2,2891)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	20	1.96
(2,2891)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	20	1.96
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	1	1.96
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	8	1.96
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	12	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	1	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	1	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	1	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	2	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	2	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	2	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	7	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	7	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	7	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	11	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	11	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	11	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	12	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	12	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	12	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	13	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	13	1.96
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	13	1.96
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	17	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	7	1.96
(2,2691)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	14	1.96
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	4	1.96
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	13	1.96
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	15	1.96
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	5	1.96
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	5	1.96
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	5	1.96
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	16	1.96
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	16	1.96
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	16	1.96
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	6	1.96
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	6	1.96
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	6	1.96
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	7	1.96
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	7	1.96
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	7	1.96
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	8	1.96
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	8	1.96
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	8	1.96
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	18	1.96
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	18	1.96
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	18	1.96
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	3	1.96
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	3	1.96
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	3	1.96
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	15	1.96
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	15	1.96
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	15	1.96
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	15	1.96
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	15	1.96
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	15	1.96
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	10	1.96
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	10	1.96
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	10	1.96
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	3	1.96
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	3	1.96
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	3	1.96
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	5	1.96
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	5	1.96
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	5	1.96
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	12	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	12	1.96
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	12	1.96
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	19	1.96
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	19	1.96
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	19	1.96
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	17	1.96
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	17	1.96
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	17	1.96
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	9	1.96
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	15	1.96
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	4	1.96
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	4	1.96
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	4	1.96
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	6	1.96
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	6	1.96
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	6	1.96
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	10	1.96
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	10	1.96
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	10	1.96
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	16	1.96
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	16	1.96
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	16	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	3	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	3	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	7	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	7	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	12	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	12	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	13	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	13	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	15	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	15	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	16	1.96
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	16	1.96
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	11	1.96
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	11	1.96
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	11	1.96
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	8	1.96
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	13	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	2	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	2	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	2	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	3	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	3	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	3	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	4	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	4	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	4	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	6	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	6	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	6	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	10	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	10	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	10	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	15	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	15	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	15	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	19	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	19	1.96
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	19	1.96
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	18	1.96
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	3	1.96
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	6	1.96
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	14	1.96
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	9	1.96
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	9	1.96
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	9	1.96
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	10	1.96
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	10	1.96
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	10	1.96
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	14	1.96
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	14	1.96
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	7	1.96
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	3	1.96
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	3	1.96
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	3	1.96
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	6	1.96
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	6	1.96
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	6	1.96
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	14	1.96
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	14	1.96
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	14	1.96
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	16	1.96
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	16	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	16	1.96
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	17	1.96
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	17	1.96
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	17	1.96
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	19	1.96
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	19	1.96
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	19	1.96
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	1	1.96
(2,1946)	1:24:A:ILE:HG12	1:24:A:ILE:H	13	1.96
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	2	1.96
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	5	1.96
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	7	1.96
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	10	1.96
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	10	1.96
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	10	1.96
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	15	1.96
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	15	1.96
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	15	1.96
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	16	1.96
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	16	1.96
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	16	1.96
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	8	1.96
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	19	1.96
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	11	1.96
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	11	1.96
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	11	1.96
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	13	1.96
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	13	1.96
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	13	1.96
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	8	1.96
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	8	1.96
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	8	1.96
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	12	1.96
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	12	1.96
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	12	1.96
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	6	1.96
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	13	1.96
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	18	1.96
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	18	1.96
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	2	1.96
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	3	1.96
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	5	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	10	1.96
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	15	1.96
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	17	1.96
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	18	1.96
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	20	1.96
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	2	1.96
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	2	1.96
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	2	1.96
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	2	1.96
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	9	1.96
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	9	1.96
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	9	1.96
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	12	1.96
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	12	1.96
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	12	1.96
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	13	1.96
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	13	1.96
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	13	1.96
(2,1547)	1:5:A:LEU:HD21	1:5:A:LEU:HB3	8	1.96
(2,1547)	1:5:A:LEU:HD22	1:5:A:LEU:HB3	8	1.96
(2,1547)	1:5:A:LEU:HD23	1:5:A:LEU:HB3	8	1.96
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	4	1.96
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	4	1.96
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	4	1.96
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	8	1.96
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	8	1.96
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	8	1.96
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	12	1.96
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	12	1.96
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	12	1.96
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	17	1.96
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	17	1.96
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	17	1.96
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	18	1.96
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	18	1.96
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	18	1.96
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	20	1.96
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	20	1.96
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	20	1.96
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	3	1.96
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	3	1.96
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	3	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	5	1.96
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	5	1.96
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	5	1.96
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	2	1.96
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	3	1.96
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	4	1.96
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	6	1.96
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	10	1.96
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	18	1.96
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	6	1.96
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	6	1.96
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	6	1.96
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	12	1.96
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	12	1.96
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	12	1.96
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	15	1.96
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	15	1.96
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	15	1.96
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	14	1.96
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	14	1.96
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	14	1.96
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	3	1.96
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	9	1.96
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	19	1.96
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	14	1.96
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	14	1.96
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	14	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	1	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	1	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	1	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	4	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	4	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	4	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	5	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	5	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	5	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	8	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	8	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	8	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	10	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	10	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	10	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	16	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	16	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	16	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	17	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	17	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	17	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	18	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	18	1.96
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	18	1.96
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	16	1.96
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	16	1.96
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	16	1.96
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	19	1.96
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	19	1.96
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	19	1.96
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	20	1.96
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	20	1.96
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	20	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	3	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	3	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	3	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	4	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	4	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	4	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	12	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	12	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	12	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	15	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	15	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	15	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	17	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	17	1.96
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	17	1.96
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	8	1.96
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	9	1.96
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	16	1.96
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	4	1.96
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	6	1.96
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	3	1.96
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	3	1.96
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	3	1.96
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	7	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	7	1.96
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	7	1.96
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	13	1.96
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	13	1.96
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	13	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	1	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	1	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	1	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	2	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	2	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	2	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	3	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	3	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	3	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	4	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	4	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	4	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	7	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	7	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	7	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	8	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	8	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	8	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	9	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	9	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	9	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	10	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	10	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	10	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	11	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	11	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	11	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	12	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	12	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	12	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	13	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	13	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	13	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	14	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	14	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	14	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	15	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	15	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	15	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	16	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	16	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	16	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	18	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	18	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	18	1.96
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	20	1.96
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	20	1.96
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	20	1.96
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	11	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	11	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	11	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	11	1.96
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	11	1.96
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	11	1.96
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	11	1.96
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	11	1.96
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	11	1.96
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	11	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	15	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	15	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	15	1.96
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	15	1.96
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	15	1.96
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	15	1.96
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	15	1.96
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	15	1.96
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	15	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	18	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	18	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	18	1.96
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	18	1.96
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	18	1.96
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	18	1.96
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	18	1.96
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	18	1.96
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	18	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	20	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	20	1.96
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	20	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	20	1.96
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	20	1.96
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	20	1.96
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	20	1.96
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	20	1.96
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	20	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	1	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	1	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	1	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	1	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	1	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	1	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	1	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	1	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	1	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	2	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	2	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	2	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	2	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	2	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	2	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	2	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	2	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	2	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	5	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	5	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	5	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	5	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	5	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	5	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	5	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	5	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	5	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	15	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	15	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	15	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	15	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	15	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	15	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	15	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	15	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	15	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	19	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	19	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	19	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	19	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	19	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	19	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	19	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	19	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	19	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	20	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	20	1.96
(2,663)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	20	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	20	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	20	1.96
(2,663)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	20	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	20	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	20	1.96
(2,663)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	20	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	1	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	1	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	1	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	1	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	1	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	1	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	1	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	1	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	1	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	5	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	5	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	5	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	5	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	5	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	5	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	5	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	5	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	5	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	6	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	6	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	6	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	6	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	6	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	6	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	6	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	6	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	6	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	7	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	7	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	7	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	7	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	7	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	7	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	7	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	7	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	7	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	9	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	9	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	9	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	9	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	9	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	9	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	9	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	9	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	9	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	12	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	12	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	12	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	12	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	12	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	12	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	12	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	12	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	12	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	18	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	18	1.96
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	18	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	18	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	18	1.96
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	18	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	18	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	18	1.96
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	18	1.96
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	13	1.96
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	1	1.96
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	1	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	1	1.96
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	7	1.96
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	7	1.96
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	7	1.96
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	18	1.96
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	18	1.96
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	18	1.96
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	20	1.96
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	20	1.96
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	20	1.96
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	13	1.96
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	7	1.96
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	17	1.96
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	12	1.96
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	12	1.96
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	12	1.96
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	13	1.96
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	13	1.96
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	13	1.96
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	3	1.96
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	3	1.96
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	3	1.96
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	4	1.96
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	4	1.96
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	4	1.96
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	14	1.96
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	14	1.96
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	14	1.96
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	15	1.96
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	15	1.96
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	15	1.96
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	2	1.96
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	7	1.96
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	15	1.96
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	16	1.96
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	1	1.96
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	2	1.96
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	8	1.96
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	9	1.96
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	11	1.96
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	14	1.96
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	18	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	4	1.96
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	4	1.96
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	4	1.96
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	7	1.96
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	7	1.96
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	7	1.96
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	9	1.96
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	9	1.96
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	9	1.96
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	12	1.96
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	12	1.96
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	12	1.96
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	13	1.96
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	13	1.96
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	13	1.96
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	15	1.96
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	2	1.96
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	2	1.96
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	2	1.96
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	3	1.96
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	3	1.96
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	3	1.96
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	5	1.96
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	5	1.96
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	5	1.96
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	7	1.96
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	7	1.96
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	7	1.96
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	9	1.96
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	9	1.96
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	9	1.96
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	11	1.96
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	11	1.96
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	11	1.96
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	15	1.96
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	15	1.96
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	15	1.96
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	20	1.96
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	20	1.96
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	20	1.96
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	11	1.96
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	11	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	11	1.96
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	18	1.96
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	18	1.96
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	18	1.96
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	12	1.96
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	15	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	1	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	1	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	1	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	2	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	2	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	2	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	12	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	12	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	12	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	13	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	13	1.96
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	13	1.96
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	12	1.95
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	1	1.95
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	1	1.95
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	1	1.95
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	3	1.95
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	3	1.95
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	3	1.95
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	20	1.95
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	20	1.95
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	20	1.95
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	11	1.95
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	11	1.95
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	11	1.95
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	18	1.95
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	18	1.95
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	18	1.95
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	5	1.95
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	6	1.95
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	11	1.95
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	12	1.95
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	16	1.95
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	17	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	4	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	4	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	4	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	5	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	5	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	5	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	10	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	10	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	10	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	16	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	16	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	16	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	20	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	20	1.95
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	20	1.95
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	7	1.95
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	7	1.95
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	7	1.95
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	10	1.95
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	10	1.95
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	10	1.95
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	13	1.95
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	13	1.95
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	13	1.95
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	15	1.95
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	15	1.95
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	15	1.95
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	16	1.95
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	16	1.95
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	16	1.95
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	17	1.95
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	17	1.95
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	17	1.95
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	1	1.95
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	1	1.95
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	1	1.95
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	3	1.95
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	3	1.95
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	3	1.95
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	5	1.95
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	5	1.95
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	5	1.95
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	6	1.95
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	6	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	6	1.95
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	7	1.95
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	7	1.95
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	7	1.95
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	19	1.95
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	19	1.95
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	19	1.95
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	10	1.95
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	10	1.95
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	10	1.95
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	14	1.95
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	14	1.95
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	14	1.95
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	18	1.95
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	18	1.95
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	18	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	1	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	2	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	4	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	5	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	6	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	7	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	8	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	9	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	10	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	11	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	12	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	13	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	14	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	15	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	17	1.95
(2,3014)	1:143:A:ILE:HB	1:143:A:ILE:HA	19	1.95
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	7	1.95
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	7	1.95
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	7	1.95
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	7	1.95
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	7	1.95
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	7	1.95
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	7	1.95
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	7	1.95
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	7	1.95
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	10	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	10	1.95
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	10	1.95
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	10	1.95
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	10	1.95
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	10	1.95
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	10	1.95
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	10	1.95
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	10	1.95
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	17	1.95
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	17	1.95
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	17	1.95
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	17	1.95
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	17	1.95
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	17	1.95
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	17	1.95
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	17	1.95
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	17	1.95
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	10	1.95
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	10	1.95
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	10	1.95
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	1	1.95
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	1	1.95
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	1	1.95
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	18	1.95
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	18	1.95
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	18	1.95
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	17	1.95
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	17	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	2	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	3	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	5	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	7	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	9	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	10	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	11	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	13	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	14	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	15	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	16	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	17	1.95
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	18	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	3	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	3	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	3	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	5	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	5	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	5	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	6	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	6	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	6	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	8	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	8	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	8	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	15	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	15	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	15	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	17	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	17	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	17	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	20	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	20	1.95
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	20	1.95
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	10	1.95
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	16	1.95
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	20	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	1	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	1	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	1	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	2	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	2	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	2	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	3	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	3	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	3	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	4	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	4	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	4	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	5	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	5	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	5	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	9	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	9	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	9	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	10	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	10	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	10	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	11	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	11	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	11	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	12	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	12	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	12	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	13	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	13	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	13	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	14	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	14	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	14	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	15	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	15	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	15	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	16	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	16	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	16	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	17	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	17	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	17	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	19	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	19	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	19	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG21	20	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG22	20	1.95
(2,2507)	1:100:A:ILE:HB	1:100:A:ILE:HG23	20	1.95
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	16	1.95
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	6	1.95
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	7	1.95
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	8	1.95
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	8	1.95
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	8	1.95
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	9	1.95
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	9	1.95
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	9	1.95
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	1	1.95
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	4	1.95
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	5	1.95
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	6	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	10	1.95
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	11	1.95
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	12	1.95
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	15	1.95
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	17	1.95
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	18	1.95
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	1	1.95
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	1	1.95
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	1	1.95
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	7	1.95
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	7	1.95
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	7	1.95
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	11	1.95
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	11	1.95
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	11	1.95
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	9	1.95
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	9	1.95
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	9	1.95
(2,2308)	1:143:A:ILE:HD11	1:143:A:ILE:H	16	1.95
(2,2308)	1:143:A:ILE:HD12	1:143:A:ILE:H	16	1.95
(2,2308)	1:143:A:ILE:HD13	1:143:A:ILE:H	16	1.95
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	3	1.95
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	3	1.95
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	3	1.95
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	4	1.95
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	4	1.95
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	4	1.95
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	7	1.95
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	7	1.95
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	7	1.95
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	15	1.95
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	15	1.95
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	15	1.95
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	19	1.95
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	19	1.95
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	19	1.95
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	5	1.95
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	5	1.95
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	8	1.95
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	8	1.95
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	14	1.95
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	14	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	17	1.95
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	19	1.95
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	7	1.95
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	9	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	1	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	1	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	1	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	7	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	7	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	7	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	11	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	11	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	11	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	13	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	13	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	13	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	17	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	17	1.95
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	17	1.95
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	6	1.95
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	1	1.95
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	1	1.95
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	1	1.95
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	3	1.95
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	3	1.95
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	3	1.95
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	8	1.95
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	8	1.95
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	8	1.95
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	13	1.95
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	13	1.95
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	13	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	1	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	1	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	1	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	2	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	2	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	2	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	3	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	3	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	3	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	4	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	4	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	4	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	5	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	5	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	5	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	6	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	6	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	6	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	7	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	7	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	7	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	8	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	8	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	8	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	9	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	9	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	9	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	10	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	10	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	10	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	11	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	11	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	11	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	12	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	12	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	12	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	13	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	13	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	13	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	14	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	14	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	14	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	15	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	15	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	15	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	16	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	16	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	16	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	17	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	17	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	17	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	18	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	18	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	18	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	19	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	19	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	19	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG21	20	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG22	20	1.95
(2,2063)	1:71:A:THR:HB	1:71:A:THR:HG23	20	1.95
(2,2048)	1:148:A:LYS:HG3	1:149:A:ASP:H	16	1.95
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	4	1.95
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	4	1.95
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	4	1.95
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	15	1.95
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	15	1.95
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	15	1.95
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	8	1.95
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	11	1.95
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	13	1.95
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	14	1.95
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	4	1.95
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	14	1.95
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	7	1.95
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	7	1.95
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	7	1.95
(2,1883)	1:9:A:VAL:HG21	1:9:A:VAL:HB	20	1.95
(2,1883)	1:9:A:VAL:HG22	1:9:A:VAL:HB	20	1.95
(2,1883)	1:9:A:VAL:HG23	1:9:A:VAL:HB	20	1.95
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	9	1.95
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	9	1.95
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	9	1.95
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	17	1.95
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	17	1.95
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	17	1.95
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	13	1.95
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	5	1.95
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	12	1.95
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	15	1.95
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	17	1.95
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	1	1.95
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	4	1.95
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	7	1.95
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	8	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	11	1.95
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	16	1.95
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	20	1.95
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	3	1.95
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	3	1.95
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	3	1.95
(2,1596)	1:143:A:ILE:HG21	1:143:A:ILE:HA	18	1.95
(2,1596)	1:143:A:ILE:HG22	1:143:A:ILE:HA	18	1.95
(2,1596)	1:143:A:ILE:HG23	1:143:A:ILE:HA	18	1.95
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	1	1.95
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	1	1.95
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	1	1.95
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	3	1.95
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	3	1.95
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	3	1.95
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	5	1.95
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	5	1.95
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	5	1.95
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	6	1.95
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	6	1.95
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	6	1.95
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	7	1.95
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	7	1.95
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	7	1.95
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	9	1.95
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	9	1.95
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	9	1.95
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	10	1.95
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	10	1.95
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	10	1.95
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	13	1.95
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	13	1.95
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	13	1.95
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	15	1.95
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	15	1.95
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	15	1.95
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	1	1.95
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	1	1.95
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	1	1.95
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	13	1.95
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	13	1.95
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	13	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	1	1.95
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	5	1.95
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	8	1.95
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	13	1.95
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	17	1.95
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	8	1.95
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	8	1.95
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	8	1.95
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	20	1.95
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	20	1.95
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	20	1.95
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	4	1.95
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	20	1.95
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	19	1.95
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	19	1.95
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	19	1.95
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	20	1.95
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	20	1.95
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	20	1.95
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	2	1.95
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	2	1.95
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	2	1.95
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	6	1.95
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	6	1.95
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	6	1.95
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	17	1.95
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	17	1.95
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	17	1.95
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	16	1.95
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	9	1.95
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	2	1.95
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	6	1.95
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	7	1.95
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	8	1.95
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	10	1.95
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	12	1.95
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	13	1.95
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	15	1.95
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	18	1.95
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	19	1.95
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	19	1.95
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	19	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	19	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	2	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	2	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	2	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	3	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	3	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	3	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	6	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	6	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	6	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	7	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	7	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	7	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	9	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	9	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	9	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	11	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	11	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	11	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	12	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	12	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	12	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	13	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	13	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	13	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	14	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	14	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	14	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	15	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	15	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	15	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	19	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	19	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	19	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB1	20	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB2	20	1.95
(2,983)	1:62:A:ALA:HA	1:62:A:ALA:HB3	20	1.95
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD11	9	1.95
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD12	9	1.95
(2,973)	1:18:A:ILE:HG21	1:18:A:ILE:HD13	9	1.95
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD11	9	1.95
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD12	9	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,973)	1:18:A:ILE:HG22	1:18:A:ILE:HD13	9	1.95
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD11	9	1.95
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD12	9	1.95
(2,973)	1:18:A:ILE:HG23	1:18:A:ILE:HD13	9	1.95
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	11	1.95
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	19	1.95
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	4	1.95
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	4	1.95
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	4	1.95
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	9	1.95
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	9	1.95
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	9	1.95
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	13	1.95
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	13	1.95
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	13	1.95
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	17	1.95
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	17	1.95
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	17	1.95
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	20	1.95
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	20	1.95
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	20	1.95
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	14	1.95
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	6	1.95
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	6	1.95
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	6	1.95
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	19	1.95
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	19	1.95
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	19	1.95
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	3	1.95
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	12	1.95
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	17	1.95
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	17	1.95
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	17	1.95
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	19	1.95
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	19	1.95
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	19	1.95
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	5	1.95
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	5	1.95
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	5	1.95
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	6	1.95
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	6	1.95
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	6	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	17	1.95
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	17	1.95
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	17	1.95
(2,734)	1:65:A:ILE:HG21	1:65:A:ILE:HB	19	1.95
(2,734)	1:65:A:ILE:HG22	1:65:A:ILE:HB	19	1.95
(2,734)	1:65:A:ILE:HG23	1:65:A:ILE:HB	19	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	1	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	1	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	1	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	1	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	1	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	1	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	1	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	1	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	1	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	2	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	2	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	2	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	2	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	2	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	2	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	2	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	2	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	2	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	3	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	3	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	3	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	3	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	3	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	3	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	3	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	3	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	3	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	4	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	4	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	4	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	4	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	4	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	4	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	4	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	4	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	4	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	6	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	6	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	6	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	6	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	6	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	6	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	6	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	6	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	6	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	9	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	9	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	9	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	9	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	9	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	9	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	9	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	9	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	9	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	10	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	10	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	10	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	10	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	10	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	10	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	10	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	10	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	10	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	12	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	12	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	12	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	12	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	12	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	12	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	12	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	12	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	12	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	14	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	14	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	14	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	14	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	14	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	14	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	14	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	14	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	14	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	16	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	16	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	16	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	16	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	16	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	16	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	16	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	16	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	16	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	17	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	17	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	17	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	17	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	17	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	17	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	17	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	17	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	17	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	19	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	19	1.95
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	19	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	19	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	19	1.95
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	19	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	19	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	19	1.95
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	19	1.95
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	11	1.95
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	11	1.95
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	11	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	2	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	2	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	2	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	2	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	2	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	2	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	2	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	2	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	2	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	4	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	4	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	4	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	4	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	4	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	4	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	4	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	4	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	4	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	8	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	8	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	8	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	8	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	8	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	8	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	8	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	8	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	8	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	10	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	10	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	10	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	10	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	10	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	10	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	10	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	10	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	10	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	11	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	11	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	11	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	11	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	11	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	11	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	11	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	11	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	11	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	14	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	14	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	14	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	14	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	14	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	14	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	14	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	14	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	14	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	15	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	15	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	15	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	15	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	15	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	15	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	15	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	15	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	15	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	16	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	16	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	16	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	16	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	16	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	16	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	16	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	16	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	16	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	17	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	17	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	17	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	17	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	17	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	17	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	17	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	17	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	17	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	19	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	19	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	19	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	19	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	19	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	19	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	19	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	19	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	19	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	20	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	20	1.95
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	20	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	20	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	20	1.95
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	20	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	20	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	20	1.95
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	20	1.95
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	4	1.95
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	17	1.95
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	5	1.95
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	18	1.95
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	18	1.95
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	18	1.95
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	1	1.95
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	9	1.95
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	12	1.95
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	12	1.95
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	12	1.95
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	9	1.95
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	18	1.95
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	18	1.95
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	18	1.95
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	13	1.95
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	13	1.95
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	13	1.95
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	19	1.95
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	19	1.95
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	19	1.95
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	20	1.95
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	2	1.95
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	2	1.95
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	2	1.95
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	8	1.95
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	8	1.95
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	8	1.95
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	10	1.95
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	10	1.95
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	10	1.95
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	14	1.95
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	14	1.95
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	14	1.95
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	15	1.95
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	15	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	15	1.95
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	16	1.95
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	16	1.95
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	16	1.95
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	18	1.95
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	18	1.95
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	18	1.95
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	19	1.95
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	19	1.95
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	19	1.95
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	4	1.95
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	1	1.95
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	1	1.95
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	1	1.95
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	4	1.95
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	4	1.95
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	4	1.95
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	6	1.95
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	6	1.95
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	6	1.95
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	8	1.95
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	8	1.95
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	8	1.95
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	18	1.95
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	18	1.95
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	18	1.95
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	7	1.95
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	7	1.95
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	7	1.95
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	13	1.95
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	13	1.95
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	13	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	1	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	1	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	1	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	2	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	2	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	2	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	3	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	3	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	3	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	4	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	4	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	4	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	5	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	5	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	5	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	6	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	6	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	6	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	7	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	7	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	7	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	8	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	8	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	8	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	9	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	9	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	9	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	10	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	10	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	10	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	12	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	12	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	12	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	13	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	13	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	13	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	14	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	14	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	14	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	15	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	15	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	15	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	16	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	16	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	16	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	17	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	17	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	17	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	19	1.95
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	19	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	19	1.95
(2,127)	1:157:A:VAL:HG11	1:157:A:VAL:HB	20	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,127)	1:157:A:VAL:HG12	1:157:A:VAL:HB	20	1.95
(2,127)	1:157:A:VAL:HG13	1:157:A:VAL:HB	20	1.95
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	18	1.95
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	18	1.95
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	18	1.95
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	8	1.95
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	20	1.95
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	20	1.95
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	10	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	1	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	2	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	3	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	4	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	5	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	6	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	7	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	8	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	9	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	10	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	11	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	12	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	13	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	14	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	16	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	17	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	18	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	19	1.95
(2,16)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	20	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	3	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	3	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	3	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	5	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	5	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	5	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	6	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	6	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	6	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	8	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	8	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	8	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	15	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	15	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	15	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	17	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	17	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	17	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	20	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	20	1.95
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	20	1.95
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	18	1.94
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	6	1.94
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	6	1.94
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	2	1.94
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	2	1.94
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	2	1.94
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	10	1.94
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	10	1.94
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	10	1.94
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	14	1.94
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	14	1.94
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	14	1.94
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	16	1.94
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	16	1.94
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	16	1.94
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	18	1.94
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	18	1.94
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	18	1.94
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	1	1.94
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	1	1.94
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	1	1.94
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	2	1.94
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	2	1.94
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	2	1.94
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	8	1.94
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	8	1.94
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	8	1.94
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	9	1.94
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	9	1.94
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	9	1.94
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	10	1.94
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	10	1.94
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	10	1.94
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	14	1.94
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	14	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	14	1.94
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	16	1.94
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	16	1.94
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	16	1.94
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	20	1.94
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	20	1.94
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	20	1.94
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	3	1.94
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	4	1.94
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	19	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	2	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	2	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	2	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	8	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	8	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	8	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	13	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	13	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	13	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	14	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	14	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	14	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	17	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	17	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	17	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	19	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	19	1.94
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	19	1.94
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	18	1.94
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	15	1.94
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	15	1.94
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	15	1.94
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	2	1.94
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	2	1.94
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	2	1.94
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	8	1.94
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	8	1.94
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	8	1.94
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	9	1.94
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	9	1.94
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	9	1.94
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	18	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	18	1.94
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	18	1.94
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	19	1.94
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	19	1.94
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	19	1.94
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	10	1.94
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	10	1.94
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	10	1.94
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	12	1.94
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	12	1.94
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	12	1.94
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	13	1.94
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	13	1.94
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	13	1.94
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	15	1.94
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	15	1.94
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	15	1.94
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	16	1.94
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	16	1.94
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	16	1.94
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	18	1.94
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	18	1.94
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	18	1.94
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	20	1.94
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	20	1.94
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	20	1.94
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	2	1.94
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	2	1.94
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	2	1.94
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	6	1.94
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	6	1.94
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	6	1.94
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	7	1.94
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	7	1.94
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	7	1.94
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	12	1.94
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	12	1.94
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	12	1.94
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	13	1.94
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	13	1.94
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	13	1.94
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	15	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	15	1.94
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	15	1.94
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	7	1.94
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	7	1.94
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	7	1.94
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	13	1.94
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	13	1.94
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	13	1.94
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	4	1.94
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	19	1.94
(2,2802)	1:141:A:GLY:HA2	1:141:A:GLY:H	20	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	1	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	1	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	1	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	2	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	2	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	2	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	3	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	3	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	3	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	4	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	4	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	4	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	6	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	6	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	6	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	9	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	9	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	9	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	10	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	10	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	10	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	12	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	12	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	12	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	14	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	14	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	14	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	15	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	15	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	15	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	16	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	16	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	16	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	17	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	17	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	17	1.94
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	18	1.94
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	18	1.94
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	18	1.94
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	11	1.94
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	13	1.94
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	5	1.94
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	5	1.94
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	5	1.94
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	5	1.94
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	5	1.94
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	5	1.94
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	5	1.94
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	5	1.94
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	5	1.94
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	16	1.94
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	16	1.94
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	16	1.94
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	16	1.94
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	16	1.94
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	16	1.94
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	16	1.94
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	16	1.94
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	16	1.94
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG21	19	1.94
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG22	19	1.94
(2,2399)	1:63:A:VAL:HA	1:63:A:VAL:HG23	19	1.94
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	2	1.94
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	3	1.94
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	7	1.94
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	8	1.94
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	9	1.94
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	13	1.94
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	14	1.94
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	16	1.94
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	19	1.94
(2,2365)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	20	1.94
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	9	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	9	1.94
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	9	1.94
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	19	1.94
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	19	1.94
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	19	1.94
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	2	1.94
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	2	1.94
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	2	1.94
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	15	1.94
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	15	1.94
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	15	1.94
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	12	1.94
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	12	1.94
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	12	1.94
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	2	1.94
(2,2288)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	2	1.94
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	6	1.94
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	12	1.94
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	12	1.94
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	12	1.94
(2,2222)	1:142:A:CYS:HB2	1:143:A:ILE:H	1	1.94
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	5	1.94
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	5	1.94
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	5	1.94
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	12	1.94
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	12	1.94
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	12	1.94
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	14	1.94
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	14	1.94
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	14	1.94
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	9	1.94
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	17	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	2	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	2	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	2	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	7	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	7	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	7	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	11	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	11	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	11	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	14	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	14	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	14	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	20	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	20	1.94
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	20	1.94
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	7	1.94
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	7	1.94
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	6	1.94
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	6	1.94
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	6	1.94
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	8	1.94
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	8	1.94
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	8	1.94
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	11	1.94
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	11	1.94
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	11	1.94
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	11	1.94
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	11	1.94
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	11	1.94
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	20	1.94
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	20	1.94
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	20	1.94
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	20	1.94
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	20	1.94
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	20	1.94
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	16	1.94
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	16	1.94
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	16	1.94
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	17	1.94
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	17	1.94
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	17	1.94
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	4	1.94
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	4	1.94
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	4	1.94
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	12	1.94
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	12	1.94
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	12	1.94
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	1	1.94
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	3	1.94
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	9	1.94
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	10	1.94
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	12	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	17	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	1	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	1	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	1	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	2	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	2	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	2	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	3	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	3	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	3	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	4	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	4	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	4	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	5	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	5	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	5	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	6	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	6	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	6	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	7	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	7	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	7	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	8	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	8	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	8	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	9	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	9	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	9	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	10	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	10	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	10	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	11	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	11	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	11	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	12	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	12	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	12	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	13	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	13	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	13	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	14	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	14	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	14	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	15	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	15	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	15	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	16	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	16	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	16	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	18	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	18	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	18	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	19	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	19	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	19	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	20	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	20	1.94
(2,1800)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	20	1.94
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	2	1.94
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	19	1.94
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	20	1.94
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	3	1.94
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	4	1.94
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	4	1.94
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	4	1.94
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	7	1.94
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	7	1.94
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	7	1.94
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	10	1.94
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	10	1.94
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	10	1.94
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	9	1.94
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	16	1.94
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	5	1.94
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	5	1.94
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	5	1.94
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	8	1.94
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	8	1.94
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	8	1.94
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	11	1.94
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	11	1.94
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	11	1.94
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	9	1.94
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	9	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	9	1.94
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	11	1.94
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	11	1.94
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	11	1.94
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	10	1.94
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	10	1.94
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	10	1.94
(2,1476)	1:24:A:ILE:HD11	1:25:A:SER:H	16	1.94
(2,1476)	1:24:A:ILE:HD12	1:25:A:SER:H	16	1.94
(2,1476)	1:24:A:ILE:HD13	1:25:A:SER:H	16	1.94
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE1	11	1.94
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE2	11	1.94
(2,1400)	1:82:A:TYR:HB2	1:145:A:MET:HE3	11	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	1	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	2	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	3	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	5	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	6	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	7	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	8	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	9	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	10	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	11	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	12	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	13	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	14	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	15	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	18	1.94
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	19	1.94
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	7	1.94
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	7	1.94
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	7	1.94
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	12	1.94
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	12	1.94
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	12	1.94
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	4	1.94
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	4	1.94
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	4	1.94
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	9	1.94
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	9	1.94
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	9	1.94
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	10	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	10	1.94
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	10	1.94
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	16	1.94
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	16	1.94
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	16	1.94
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	14	1.94
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	1	1.94
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	1	1.94
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	1	1.94
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	8	1.94
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	8	1.94
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	8	1.94
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	15	1.94
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	15	1.94
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	15	1.94
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	18	1.94
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	18	1.94
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	18	1.94
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	3	1.94
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	3	1.94
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	3	1.94
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	1	1.94
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	3	1.94
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	4	1.94
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	5	1.94
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	6	1.94
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	16	1.94
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	10	1.94
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	3	1.94
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	3	1.94
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	3	1.94
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	12	1.94
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	12	1.94
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	12	1.94
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	13	1.94
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	13	1.94
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	13	1.94
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	18	1.94
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	18	1.94
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	18	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	1	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	1	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	1	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	2	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	2	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	2	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	3	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	3	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	3	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	4	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	4	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	4	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	5	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	5	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	5	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	6	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	6	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	6	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	7	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	7	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	7	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	8	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	8	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	8	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	10	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	10	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	10	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	11	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	11	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	11	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	12	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	12	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	12	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	14	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	14	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	14	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	15	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	15	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	15	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	16	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	16	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	16	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	18	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	18	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	18	1.94
(2,878)	1:125:A:ILE:HG21	1:125:A:ILE:HB	19	1.94
(2,878)	1:125:A:ILE:HG22	1:125:A:ILE:HB	19	1.94
(2,878)	1:125:A:ILE:HG23	1:125:A:ILE:HB	19	1.94
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	20	1.94
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	16	1.94
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	16	1.94
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	16	1.94
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	1	1.94
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	5	1.94
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	8	1.94
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	14	1.94
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	18	1.94
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	4	1.94
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	4	1.94
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	4	1.94
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	5	1.94
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	5	1.94
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	5	1.94
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	12	1.94
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	12	1.94
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	12	1.94
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG21	5	1.94
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG22	5	1.94
(2,706)	1:9:A:VAL:HG11	1:9:A:VAL:HG23	5	1.94
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG21	5	1.94
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG22	5	1.94
(2,706)	1:9:A:VAL:HG12	1:9:A:VAL:HG23	5	1.94
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG21	5	1.94
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG22	5	1.94
(2,706)	1:9:A:VAL:HG13	1:9:A:VAL:HG23	5	1.94
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	14	1.94
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	17	1.94
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	3	1.94
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	3	1.94
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	3	1.94
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	3	1.94
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	3	1.94
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	3	1.94
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	3	1.94
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	3	1.94
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	3	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD21	13	1.94
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD22	13	1.94
(2,650)	1:74:A:LEU:HD11	1:74:A:LEU:HD23	13	1.94
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD21	13	1.94
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD22	13	1.94
(2,650)	1:74:A:LEU:HD12	1:74:A:LEU:HD23	13	1.94
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD21	13	1.94
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD22	13	1.94
(2,650)	1:74:A:LEU:HD13	1:74:A:LEU:HD23	13	1.94
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	19	1.94
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	19	1.94
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	19	1.94
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	5	1.94
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	5	1.94
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	12	1.94
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	19	1.94
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	18	1.94
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	18	1.94
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	18	1.94
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	18	1.94
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	6	1.94
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	12	1.94
(2,442)	1:164:A:THR:HG21	1:164:A:THR:HA	16	1.94
(2,442)	1:164:A:THR:HG22	1:164:A:THR:HA	16	1.94
(2,442)	1:164:A:THR:HG23	1:164:A:THR:HA	16	1.94
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	17	1.94
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	17	1.94
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	17	1.94
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	19	1.94
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	19	1.94
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	19	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	1	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	1	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	1	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	2	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	2	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	2	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	3	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	3	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	3	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	4	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	4	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	4	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	5	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	5	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	5	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	6	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	6	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	6	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	7	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	7	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	7	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	9	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	9	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	9	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	10	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	10	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	10	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	11	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	11	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	11	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	12	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	12	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	12	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	13	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	13	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	13	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	14	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	14	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	14	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	15	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	15	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	15	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	16	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	16	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	16	1.94
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	17	1.94
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	17	1.94
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	17	1.94
(2,368)	1:101:A:ILE:HG13	1:102:A:ASN:H	18	1.94
(2,359)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	7	1.94
(2,359)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	7	1.94
(2,359)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	7	1.94
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	4	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	10	1.94
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	14	1.94
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	18	1.94
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	19	1.94
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	1	1.94
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	1	1.94
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	1	1.94
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	6	1.94
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	6	1.94
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	6	1.94
(2,210)	1:100:A:ILE:HG21	1:100:A:ILE:HA	14	1.94
(2,210)	1:100:A:ILE:HG22	1:100:A:ILE:HA	14	1.94
(2,210)	1:100:A:ILE:HG23	1:100:A:ILE:HA	14	1.94
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	3	1.94
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	3	1.94
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	3	1.94
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	4	1.94
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	4	1.94
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	4	1.94
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	8	1.94
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	8	1.94
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	8	1.94
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	9	1.94
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	9	1.94
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	9	1.94
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	10	1.94
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	10	1.94
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	10	1.94
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	12	1.94
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	12	1.94
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	12	1.94
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	13	1.94
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	13	1.94
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	13	1.94
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	14	1.94
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	14	1.94
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	14	1.94
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	15	1.94
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	15	1.94
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	15	1.94
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	16	1.94
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	16	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	16	1.94
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	16	1.94
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	9	1.94
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	9	1.94
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	9	1.94
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	9	1.94
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	9	1.94
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	9	1.94
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	9	1.94
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	9	1.94
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	9	1.94
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	4	1.94
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	14	1.93
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	4	1.93
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	4	1.93
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	4	1.93
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	7	1.93
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	7	1.93
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	7	1.93
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	9	1.93
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	9	1.93
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	9	1.93
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	3	1.93
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	3	1.93
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	3	1.93
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	4	1.93
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	4	1.93
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	4	1.93
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	5	1.93
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	5	1.93
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	5	1.93
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	7	1.93
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	7	1.93
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	7	1.93
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	12	1.93
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	12	1.93
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	12	1.93
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	13	1.93
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	13	1.93
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	13	1.93
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	15	1.93
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	15	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	15	1.93
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	17	1.93
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	17	1.93
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	17	1.93
(2,3202)	1:116:A:LEU:HD21	1:116:A:LEU:HG	19	1.93
(2,3202)	1:116:A:LEU:HD22	1:116:A:LEU:HG	19	1.93
(2,3202)	1:116:A:LEU:HD23	1:116:A:LEU:HG	19	1.93
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	11	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	1	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	1	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	1	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	4	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	4	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	4	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	7	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	7	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	7	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	10	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	10	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	10	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	18	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	18	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	18	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	19	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	19	1.93
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	19	1.93
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	1	1.93
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	1	1.93
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	1	1.93
(2,3121)	1:125:A:ILE:HG21	1:125:A:ILE:HA	4	1.93
(2,3121)	1:125:A:ILE:HG22	1:125:A:ILE:HA	4	1.93
(2,3121)	1:125:A:ILE:HG23	1:125:A:ILE:HA	4	1.93
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	1	1.93
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	3	1.93
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	9	1.93
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	7	1.93
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	2	1.93
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	2	1.93
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	2	1.93
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	8	1.93
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	8	1.93
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	8	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	1	1.93
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	1	1.93
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	1	1.93
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	8	1.93
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	8	1.93
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	8	1.93
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	9	1.93
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	9	1.93
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	9	1.93
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	19	1.93
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	19	1.93
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	19	1.93
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	19	1.93
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	19	1.93
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	19	1.93
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	19	1.93
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	19	1.93
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	19	1.93
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	19	1.93
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	19	1.93
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	19	1.93
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	1	1.93
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	1	1.93
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	1	1.93
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	15	1.93
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	15	1.93
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	15	1.93
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	14	1.93
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	14	1.93
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	14	1.93
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	16	1.93
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	16	1.93
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	16	1.93
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	10	1.93
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	10	1.93
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	10	1.93
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	5	1.93
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	5	1.93
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	5	1.93
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	7	1.93
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	7	1.93
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	7	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	8	1.93
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	8	1.93
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	8	1.93
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	11	1.93
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	11	1.93
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	11	1.93
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	13	1.93
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	13	1.93
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	13	1.93
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	19	1.93
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	19	1.93
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	19	1.93
(2,2764)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	20	1.93
(2,2764)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	20	1.93
(2,2764)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	20	1.93
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	15	1.93
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	15	1.93
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	15	1.93
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	5	1.93
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	10	1.93
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	13	1.93
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	13	1.93
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	13	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	1	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	1	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	1	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	2	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	2	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	2	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	3	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	3	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	3	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	4	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	4	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	4	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	5	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	5	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	5	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	6	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	6	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	6	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	7	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	7	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	7	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	8	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	8	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	8	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	9	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	9	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	9	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	10	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	10	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	10	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	11	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	11	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	11	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	12	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	12	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	12	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	13	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	13	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	13	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	14	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	14	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	14	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	15	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	15	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	15	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	16	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	16	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	16	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	17	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	17	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	17	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	18	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	18	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	18	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	19	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	19	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	19	1.93
(2,2443)	1:5:A:LEU:HD11	1:5:A:LEU:HG	20	1.93
(2,2443)	1:5:A:LEU:HD12	1:5:A:LEU:HG	20	1.93
(2,2443)	1:5:A:LEU:HD13	1:5:A:LEU:HG	20	1.93
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	2	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	2	1.93
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	2	1.93
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	13	1.93
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	13	1.93
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	13	1.93
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	19	1.93
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	19	1.93
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	19	1.93
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	3	1.93
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	1	1.93
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	11	1.93
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	16	1.93
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	20	1.93
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	6	1.93
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	8	1.93
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	8	1.93
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	8	1.93
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	10	1.93
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	10	1.93
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	10	1.93
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	16	1.93
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	16	1.93
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	16	1.93
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG21	2	1.93
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG22	2	1.93
(2,2293)	1:134:A:ILE:HA	1:134:A:ILE:HG23	2	1.93
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	14	1.93
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	10	1.93
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	10	1.93
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	10	1.93
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	14	1.93
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	14	1.93
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	14	1.93
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	19	1.93
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	14	1.93
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	10	1.93
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	10	1.93
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	10	1.93
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	14	1.93
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	14	1.93
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	14	1.93
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	16	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	16	1.93
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	16	1.93
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	3	1.93
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	3	1.93
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	3	1.93
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	16	1.93
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	16	1.93
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	16	1.93
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	19	1.93
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	19	1.93
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	19	1.93
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	6	1.93
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	15	1.93
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	2	1.93
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	5	1.93
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	1	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	1	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	1	1.93
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	2	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	2	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	2	1.93
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	3	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	3	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	3	1.93
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	4	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	4	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	4	1.93
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	10	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	10	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	10	1.93
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	12	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	12	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	12	1.93
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	13	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	13	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	13	1.93
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	14	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	14	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	14	1.93
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	15	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	15	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	15	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	17	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	17	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	17	1.93
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	18	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	18	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	18	1.93
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	19	1.93
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	19	1.93
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	19	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	1	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	2	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	3	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	4	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	5	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	6	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	7	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	8	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	9	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	10	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	11	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	12	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	13	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	14	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	15	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	16	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	17	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	18	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	19	1.93
(2,1843)	1:83:A:PRO:HD2	1:83:A:PRO:HD3	20	1.93
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	9	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	1	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	1	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	1	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	2	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	2	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	2	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	3	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	3	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	3	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	5	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	5	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	6	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	6	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	6	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	8	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	8	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	8	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	9	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	9	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	9	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	11	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	11	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	11	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	12	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	12	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	12	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	13	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	13	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	13	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	14	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	14	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	14	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	15	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	15	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	15	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	16	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	16	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	16	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	17	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	17	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	17	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	18	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	18	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	18	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	19	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	19	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	19	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG11	20	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG12	20	1.93
(2,1708)	1:163:A:VAL:HB	1:163:A:VAL:HG13	20	1.93
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	2	1.93
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	2	1.93
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	19	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	17	1.93
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	9	1.93
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	9	1.93
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	9	1.93
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	2	1.93
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	18	1.93
(2,1545)	1:69:A:THR:HG21	1:69:A:THR:HA	14	1.93
(2,1545)	1:69:A:THR:HG22	1:69:A:THR:HA	14	1.93
(2,1545)	1:69:A:THR:HG23	1:69:A:THR:HA	14	1.93
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	2	1.93
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	2	1.93
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	2	1.93
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	17	1.93
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	17	1.93
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	17	1.93
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	16	1.93
(2,1362)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	17	1.93
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	5	1.93
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	13	1.93
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	20	1.93
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	1	1.93
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	1	1.93
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	1	1.93
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	9	1.93
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	9	1.93
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	9	1.93
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	16	1.93
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	16	1.93
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	16	1.93
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	18	1.93
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	18	1.93
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	18	1.93
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	1	1.93
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	1	1.93
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	1	1.93
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	5	1.93
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	5	1.93
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	5	1.93
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	7	1.93
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	7	1.93
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	7	1.93
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	13	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	13	1.93
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	13	1.93
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	18	1.93
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	18	1.93
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	18	1.93
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	10	1.93
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	12	1.93
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	9	1.93
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	9	1.93
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	9	1.93
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	10	1.93
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	10	1.93
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	10	1.93
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	19	1.93
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	19	1.93
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	19	1.93
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	3	1.93
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	3	1.93
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	3	1.93
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	13	1.93
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	15	1.93
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	17	1.93
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	20	1.93
(2,888)	1:90:A:LEU:HD11	1:90:A:LEU:HA	5	1.93
(2,888)	1:90:A:LEU:HD12	1:90:A:LEU:HA	5	1.93
(2,888)	1:90:A:LEU:HD13	1:90:A:LEU:HA	5	1.93
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	18	1.93
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	18	1.93
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	18	1.93
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	19	1.93
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	5	1.93
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	13	1.93
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	7	1.93
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	15	1.93
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	16	1.93
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	1	1.93
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	12	1.93
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	15	1.93
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	15	1.93
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	15	1.93
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	15	1.93
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	20	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	5	1.93
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	5	1.93
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	5	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	1	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	2	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	3	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	4	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	5	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	6	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	7	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	8	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	9	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	10	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	11	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	12	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	13	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	15	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	16	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	18	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	19	1.93
(2,660)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	20	1.93
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	3	1.93
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	3	1.93
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	3	1.93
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	5	1.93
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	5	1.93
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	5	1.93
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	17	1.93
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	17	1.93
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	17	1.93
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	15	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	3	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	3	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	3	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	4	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	4	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	4	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	5	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	5	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	5	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	10	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	10	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	10	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	12	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	12	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	12	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	13	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	13	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	13	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	14	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	14	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	14	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	15	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	15	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	15	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	19	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	19	1.93
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	19	1.93
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	11	1.93
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	20	1.93
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	20	1.93
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	20	1.93
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	14	1.93
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	16	1.93
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	16	1.93
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	16	1.93
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	8	1.93
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	8	1.93
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	8	1.93
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	19	1.93
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	19	1.93
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	19	1.93
(2,373)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	20	1.93
(2,373)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	20	1.93
(2,373)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	20	1.93
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	5	1.93
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	6	1.93
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	11	1.93
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	5	1.93
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	5	1.93
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	5	1.93
(2,304)	1:125:A:ILE:HG21	1:125:A:ILE:HG12	20	1.93
(2,304)	1:125:A:ILE:HG22	1:125:A:ILE:HG12	20	1.93
(2,304)	1:125:A:ILE:HG23	1:125:A:ILE:HG12	20	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	7	1.93
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	3	1.93
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	2	1.93
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	2	1.93
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	2	1.93
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	5	1.93
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	5	1.93
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	5	1.93
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	6	1.93
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	6	1.93
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	6	1.93
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	11	1.93
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	11	1.93
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	11	1.93
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	17	1.93
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	17	1.93
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	17	1.93
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	1	1.93
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	12	1.93
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	14	1.93
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	3	1.93
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	3	1.93
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	3	1.93
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	3	1.93
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	3	1.93
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	3	1.93
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	3	1.93
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	3	1.93
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	3	1.93
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	7	1.93
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	7	1.93
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	7	1.93
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	7	1.93
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	7	1.93
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	7	1.93
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	7	1.93
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	7	1.93
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	7	1.93
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	10	1.93
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	10	1.93
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	10	1.93
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	8	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	8	1.92
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	8	1.92
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	11	1.92
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	11	1.92
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	11	1.92
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	13	1.92
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	13	1.92
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	13	1.92
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	19	1.92
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	19	1.92
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	19	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	3	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	3	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	3	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	5	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	5	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	5	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	6	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	6	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	6	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	8	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	8	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	8	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	13	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	13	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	13	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	17	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	17	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	17	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	20	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	20	1.92
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	20	1.92
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	5	1.92
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	8	1.92
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	10	1.92
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	11	1.92
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	12	1.92
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	15	1.92
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	20	1.92
(2,3047)	1:69:A:THR:HG21	1:69:A:THR:H	17	1.92
(2,3047)	1:69:A:THR:HG22	1:69:A:THR:H	17	1.92
(2,3047)	1:69:A:THR:HG23	1:69:A:THR:H	17	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	3	1.92
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	3	1.92
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	3	1.92
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	4	1.92
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	4	1.92
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	4	1.92
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	15	1.92
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	15	1.92
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	11	1.92
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	11	1.92
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	11	1.92
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	17	1.92
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	17	1.92
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	17	1.92
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	17	1.92
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	17	1.92
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	17	1.92
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	9	1.92
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	9	1.92
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	9	1.92
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	10	1.92
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	12	1.92
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	2	1.92
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	5	1.92
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	9	1.92
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	10	1.92
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	11	1.92
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	20	1.92
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	7	1.92
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	7	1.92
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	7	1.92
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	19	1.92
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	19	1.92
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	19	1.92
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	20	1.92
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	20	1.92
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	20	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	1	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	2	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	3	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	4	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	6	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	7	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	8	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	9	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	11	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	12	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	13	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	14	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	15	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	16	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	17	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	18	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	19	1.92
(2,2481)	1:83:A:PRO:HB2	1:83:A:PRO:HB3	20	1.92
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	9	1.92
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	9	1.92
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	9	1.92
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	10	1.92
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	18	1.92
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	18	1.92
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	18	1.92
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	8	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	2	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	3	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	4	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	5	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	6	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	7	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	8	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	9	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	10	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	12	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	13	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	14	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	15	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	17	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	18	1.92
(2,2398)	1:70:A:LEU:HB3	1:70:A:LEU:HA	19	1.92
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	17	1.92
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	20	1.92
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	3	1.92
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	13	1.92
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	13	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	13	1.92
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG21	20	1.92
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG22	20	1.92
(2,2216)	1:71:A:THR:HA	1:71:A:THR:HG23	20	1.92
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	12	1.92
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	15	1.92
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	17	1.92
(2,2158)	1:98:A:PHE:HB3	1:98:A:PHE:HA	5	1.92
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	18	1.92
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	18	1.92
(2,2147)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	18	1.92
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	19	1.92
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	20	1.92
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	13	1.92
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	18	1.92
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	4	1.92
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	4	1.92
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	4	1.92
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	9	1.92
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	9	1.92
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	9	1.92
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	12	1.92
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	12	1.92
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	12	1.92
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	13	1.92
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	13	1.92
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	13	1.92
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	12	1.92
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	12	1.92
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	12	1.92
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	5	1.92
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	5	1.92
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	5	1.92
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	4	1.92
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	20	1.92
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	13	1.92
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	6	1.92
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	6	1.92
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	6	1.92
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	7	1.92
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	7	1.92
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	7	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	8	1.92
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	8	1.92
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	8	1.92
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	9	1.92
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	9	1.92
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	9	1.92
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	1	1.92
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	1	1.92
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	1	1.92
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	10	1.92
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	10	1.92
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	10	1.92
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	17	1.92
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	17	1.92
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	17	1.92
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	14	1.92
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	17	1.92
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	15	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	1	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	1	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	1	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	2	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	2	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	2	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	3	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	3	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	3	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	4	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	4	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	4	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	5	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	5	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	5	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	6	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	6	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	6	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	7	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	7	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	7	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	8	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	8	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	8	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	11	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	11	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	11	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	12	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	12	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	12	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	14	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	14	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	14	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	15	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	15	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	15	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	16	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	16	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	16	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	18	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	18	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	18	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	20	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	20	1.92
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	20	1.92
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	8	1.92
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	6	1.92
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	6	1.92
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	6	1.92
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	1	1.92
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	4	1.92
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	4	1.92
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	4	1.92
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	5	1.92
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	5	1.92
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	5	1.92
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	10	1.92
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	10	1.92
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	10	1.92
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	13	1.92
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	13	1.92
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	13	1.92
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	14	1.92
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	14	1.92
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	14	1.92
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	17	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	17	1.92
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	17	1.92
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	8	1.92
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	8	1.92
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	8	1.92
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	12	1.92
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	12	1.92
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	12	1.92
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	15	1.92
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	15	1.92
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	15	1.92
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	19	1.92
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	19	1.92
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	19	1.92
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	19	1.92
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	20	1.92
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	6	1.92
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	11	1.92
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	6	1.92
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	6	1.92
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	6	1.92
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	17	1.92
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	17	1.92
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	17	1.92
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	7	1.92
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	14	1.92
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	18	1.92
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	20	1.92
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	6	1.92
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	3	1.92
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	15	1.92
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	1	1.92
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	1	1.92
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	1	1.92
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	7	1.92
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	7	1.92
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	7	1.92
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	20	1.92
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	20	1.92
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	20	1.92
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	11	1.92
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	11	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	11	1.92
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	2	1.92
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	3	1.92
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	7	1.92
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	8	1.92
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	14	1.92
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	15	1.92
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	19	1.92
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	1	1.92
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	4	1.92
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	6	1.92
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	13	1.92
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	15	1.92
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	18	1.92
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	11	1.92
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	11	1.92
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	11	1.92
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	16	1.92
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	11	1.92
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	15	1.92
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	15	1.92
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	15	1.92
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	5	1.92
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	5	1.92
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	5	1.92
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	13	1.92
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	13	1.92
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	13	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	1	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	1	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	1	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	4	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	4	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	4	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	5	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	5	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	5	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	6	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	6	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	6	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	8	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	8	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	8	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	11	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	11	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	11	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	15	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	15	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	15	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	17	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	17	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	17	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	18	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	18	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	18	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	20	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	20	1.92
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	20	1.92
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	2	1.92
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	2	1.92
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	2	1.92
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	6	1.92
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	6	1.92
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	6	1.92
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	10	1.92
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	10	1.92
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	10	1.92
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	9	1.92
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	9	1.92
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	9	1.92
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	19	1.92
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	19	1.92
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	19	1.92
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	17	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	1	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	1	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	1	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	2	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	2	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	2	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	6	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	6	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	6	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	7	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	7	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	7	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	9	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	9	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	9	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	11	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	11	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	11	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	17	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	17	1.92
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	17	1.92
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	16	1.92
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	16	1.92
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	16	1.92
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	8	1.92
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	8	1.92
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	8	1.92
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	16	1.92
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	17	1.92
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	6	1.92
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	20	1.92
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	2	1.92
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	2	1.92
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	2	1.92
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	13	1.92
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	13	1.92
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	13	1.92
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	1	1.92
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	3	1.92
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	13	1.92
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	4	1.92
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	5	1.92
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	7	1.92
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	7	1.92
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	7	1.92
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	19	1.92
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	19	1.92
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	19	1.92
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	20	1.92
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	20	1.92
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	20	1.92
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	13	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	16	1.92
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	16	1.92
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	16	1.92
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	16	1.92
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	16	1.92
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	16	1.92
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	16	1.92
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	16	1.92
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	16	1.92
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	9	1.92
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	9	1.92
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	9	1.92
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	3	1.91
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	11	1.91
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	7	1.91
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	7	1.91
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	6	1.91
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	6	1.91
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	6	1.91
(4,11)	1:165:A:ILE:HD11	1:165:A:ILE:H	17	1.91
(4,11)	1:165:A:ILE:HD12	1:165:A:ILE:H	17	1.91
(4,11)	1:165:A:ILE:HD13	1:165:A:ILE:H	17	1.91
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	9	1.91
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	9	1.91
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	9	1.91
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	11	1.91
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	11	1.91
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	11	1.91
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	14	1.91
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	14	1.91
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	14	1.91
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	16	1.91
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	16	1.91
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	16	1.91
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	2	1.91
(2,3115)	1:111:A:PHE:HB3	1:111:A:PHE:HA	13	1.91
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	19	1.91
(2,3044)	1:118:A:LEU:HD11	1:118:A:LEU:HB3	17	1.91
(2,3044)	1:118:A:LEU:HD12	1:118:A:LEU:HB3	17	1.91
(2,3044)	1:118:A:LEU:HD13	1:118:A:LEU:HB3	17	1.91
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	15	1.91
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	15	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	15	1.91
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	15	1.91
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	15	1.91
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	15	1.91
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	15	1.91
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	15	1.91
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	15	1.91
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG21	20	1.91
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG22	20	1.91
(2,2970)	1:47:A:VAL:HG21	1:6:A:THR:HG23	20	1.91
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG21	20	1.91
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG22	20	1.91
(2,2970)	1:47:A:VAL:HG22	1:6:A:THR:HG23	20	1.91
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG21	20	1.91
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG22	20	1.91
(2,2970)	1:47:A:VAL:HG23	1:6:A:THR:HG23	20	1.91
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	8	1.91
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	8	1.91
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	8	1.91
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	3	1.91
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	3	1.91
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	13	1.91
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	13	1.91
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	20	1.91
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	20	1.91
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	20	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	1	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	1	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	1	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	2	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	2	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	2	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	3	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	3	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	3	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	4	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	4	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	4	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	5	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	5	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	5	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	6	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	6	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	6	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	7	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	7	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	7	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	8	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	8	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	8	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	9	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	9	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	9	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	10	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	10	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	10	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	11	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	11	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	11	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	12	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	12	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	12	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	13	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	13	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	13	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	14	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	14	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	14	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	15	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	15	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	15	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	16	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	16	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	16	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	18	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	18	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	18	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	19	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	19	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	19	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD11	20	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD12	20	1.91
(2,2797)	1:100:A:ILE:HG13	1:100:A:ILE:HD13	20	1.91
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG21	19	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG22	19	1.91
(2,2793)	1:161:A:THR:HA	1:161:A:THR:HG23	19	1.91
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	18	1.91
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	2	1.91
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	16	1.91
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	15	1.91
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	1	1.91
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	2	1.91
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	5	1.91
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	6	1.91
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	9	1.91
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	10	1.91
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	12	1.91
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	13	1.91
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	15	1.91
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	16	1.91
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	17	1.91
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	18	1.91
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	9	1.91
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	12	1.91
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	12	1.91
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	12	1.91
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	8	1.91
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	8	1.91
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	8	1.91
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	19	1.91
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	19	1.91
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	19	1.91
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	15	1.91
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	4	1.91
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	4	1.91
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	17	1.91
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	18	1.91
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	18	1.91
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	18	1.91
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	13	1.91
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	13	1.91
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	13	1.91
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	14	1.91
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	6	1.91
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	17	1.91
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	12	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	12	1.91
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	7	1.91
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	3	1.91
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	3	1.91
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	3	1.91
(2,1914)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	18	1.91
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	17	1.91
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	5	1.91
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	5	1.91
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	5	1.91
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	11	1.91
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	11	1.91
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	11	1.91
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	16	1.91
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	16	1.91
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	16	1.91
(2,1897)	1:118:A:LEU:HD11	1:118:A:LEU:HG	20	1.91
(2,1897)	1:118:A:LEU:HD12	1:118:A:LEU:HG	20	1.91
(2,1897)	1:118:A:LEU:HD13	1:118:A:LEU:HG	20	1.91
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	11	1.91
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	10	1.91
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	10	1.91
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	5	1.91
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	5	1.91
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	5	1.91
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	17	1.91
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	12	1.91
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	16	1.91
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	5	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	9	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	9	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	9	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	10	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	10	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	10	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	13	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	13	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	13	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	17	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	17	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	17	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	19	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	19	1.91
(2,1736)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	19	1.91
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	4	1.91
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	11	1.91
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	4	1.91
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	4	1.91
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	20	1.91
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	20	1.91
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	15	1.91
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	9	1.91
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	2	1.91
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	2	1.91
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	2	1.91
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD11	19	1.91
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD12	19	1.91
(2,1646)	1:68:A:LYS:H	1:84:A:ILE:HD13	19	1.91
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	2	1.91
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	3	1.91
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	7	1.91
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	11	1.91
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	12	1.91
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	16	1.91
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	17	1.91
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	18	1.91
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	19	1.91
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	20	1.91
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	12	1.91
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	4	1.91
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	4	1.91
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	4	1.91
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	7	1.91
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	7	1.91
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	7	1.91
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	8	1.91
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	8	1.91
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	8	1.91
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	14	1.91
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	14	1.91
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	14	1.91
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	15	1.91
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	15	1.91
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	15	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	18	1.91
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	18	1.91
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	18	1.91
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	11	1.91
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	11	1.91
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	11	1.91
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	2	1.91
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	2	1.91
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	2	1.91
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	3	1.91
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	3	1.91
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	3	1.91
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	6	1.91
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	6	1.91
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	6	1.91
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	8	1.91
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	8	1.91
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	8	1.91
(2,1251)	1:156:A:ILE:HD11	1:156:A:ILE:HB	11	1.91
(2,1251)	1:156:A:ILE:HD12	1:156:A:ILE:HB	11	1.91
(2,1251)	1:156:A:ILE:HD13	1:156:A:ILE:HB	11	1.91
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	3	1.91
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	3	1.91
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	3	1.91
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	11	1.91
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	11	1.91
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	11	1.91
(2,1226)	1:101:A:ILE:HD11	1:101:A:ILE:HB	20	1.91
(2,1226)	1:101:A:ILE:HD12	1:101:A:ILE:HB	20	1.91
(2,1226)	1:101:A:ILE:HD13	1:101:A:ILE:HB	20	1.91
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	5	1.91
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	2	1.91
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	2	1.91
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	2	1.91
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	7	1.91
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	7	1.91
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	7	1.91
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	17	1.91
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	17	1.91
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	17	1.91
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	20	1.91
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	20	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	20	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	1	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	1	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	1	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	2	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	2	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	2	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	3	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	3	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	3	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	4	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	4	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	4	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	5	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	5	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	5	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	6	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	6	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	6	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	7	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	7	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	7	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	8	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	8	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	8	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	9	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	9	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	9	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	10	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	10	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	10	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	11	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	11	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	11	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	12	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	12	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	12	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	13	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	13	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	13	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	14	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	14	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	14	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	15	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	15	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	15	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	16	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	16	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	16	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	17	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	17	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	17	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	18	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	18	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	18	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	19	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	19	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	19	1.91
(2,1095)	1:157:A:VAL:HG21	1:157:A:VAL:HB	20	1.91
(2,1095)	1:157:A:VAL:HG22	1:157:A:VAL:HB	20	1.91
(2,1095)	1:157:A:VAL:HG23	1:157:A:VAL:HB	20	1.91
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	11	1.91
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	11	1.91
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	11	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	1	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	2	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	3	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	4	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	5	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	6	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	7	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	8	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	9	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	10	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	12	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	13	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	14	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	15	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	16	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	17	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	18	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	19	1.91
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	20	1.91
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	2	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	10	1.91
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	17	1.91
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	17	1.91
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	17	1.91
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	8	1.91
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	8	1.91
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	8	1.91
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	11	1.91
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	11	1.91
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	11	1.91
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	12	1.91
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	12	1.91
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	12	1.91
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	6	1.91
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	9	1.91
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	12	1.91
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	16	1.91
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	18	1.91
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	17	1.91
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	2	1.91
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	5	1.91
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	7	1.91
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	8	1.91
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	9	1.91
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	10	1.91
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	17	1.91
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	20	1.91
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	1	1.91
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	1	1.91
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	1	1.91
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	2	1.91
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	2	1.91
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	2	1.91
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	5	1.91
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	5	1.91
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	5	1.91
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	4	1.91
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	18	1.91
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	12	1.91
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	12	1.91
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	12	1.91
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	18	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	18	1.91
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	18	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	2	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	2	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	2	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	3	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	3	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	3	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	7	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	7	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	7	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	9	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	9	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	9	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	10	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	10	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	10	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	12	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	12	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	12	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	13	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	13	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	13	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	14	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	14	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	14	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	16	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	16	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	16	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG21	19	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG22	19	1.91
(2,610)	1:101:A:ILE:HB	1:101:A:ILE:HG23	19	1.91
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	4	1.91
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	4	1.91
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	4	1.91
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	8	1.91
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	8	1.91
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	8	1.91
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	12	1.91
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	12	1.91
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	12	1.91
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	13	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	13	1.91
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	13	1.91
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	14	1.91
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	14	1.91
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	14	1.91
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	1	1.91
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	1	1.91
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	1	1.91
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	7	1.91
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	7	1.91
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	7	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	1	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	1	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	1	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	2	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	2	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	2	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	3	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	3	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	3	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	4	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	4	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	4	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	5	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	5	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	5	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	6	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	6	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	6	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	7	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	7	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	7	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	8	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	8	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	8	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	9	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	9	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	9	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	10	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	10	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	10	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	11	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	11	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	11	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	12	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	12	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	12	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	13	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	13	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	13	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	14	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	14	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	14	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	15	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	15	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	15	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	16	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	16	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	16	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	17	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	17	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	17	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	18	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	18	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	18	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	19	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	19	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	19	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG21	20	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG22	20	1.91
(2,571)	1:14:A:THR:HB	1:14:A:THR:HG23	20	1.91
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	4	1.91
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	12	1.91
(2,546)	1:103:A:ARG:HG2	1:103:A:ARG:HB3	16	1.91
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	8	1.91
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	8	1.91
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	8	1.91
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	16	1.91
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	16	1.91
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	16	1.91
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	20	1.91
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	20	1.91
(2,513)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	20	1.91
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	4	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	4	1.91
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	4	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	1	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	1	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	1	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	2	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	2	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	2	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	3	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	3	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	3	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	4	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	4	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	4	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	5	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	5	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	5	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	6	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	6	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	6	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	7	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	7	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	7	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	9	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	9	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	9	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	10	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	10	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	10	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	11	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	11	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	11	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	12	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	12	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	12	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	13	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	13	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	13	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	14	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	14	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	14	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	15	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	15	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	15	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	16	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	16	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	16	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	17	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	17	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	17	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	18	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	18	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	18	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG21	19	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG22	19	1.91
(2,466)	1:143:A:ILE:HB	1:143:A:ILE:HG23	19	1.91
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	10	1.91
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	18	1.91
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	10	1.91
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	16	1.91
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	9	1.91
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	9	1.91
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	9	1.91
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	10	1.91
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	10	1.91
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	10	1.91
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	15	1.91
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	15	1.91
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	15	1.91
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	20	1.91
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	20	1.91
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	20	1.91
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	12	1.91
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	18	1.91
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	9	1.91
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	2	1.91
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	2	1.91
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	2	1.91
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	2	1.91
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	2	1.91
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	2	1.91
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	2	1.91
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	2	1.91
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	2	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	13	1.91
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	13	1.91
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	13	1.91
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	13	1.91
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	13	1.91
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	13	1.91
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	13	1.91
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	13	1.91
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	13	1.91
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	14	1.91
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG21	19	1.91
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG22	19	1.91
(2,2)	1:161:A:THR:HA	1:161:A:THR:HG23	19	1.91
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	3	1.9
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD11	12	1.9
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD12	12	1.9
(2,3179)	1:74:A:LEU:H	1:74:A:LEU:HD13	12	1.9
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	4	1.9
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	9	1.9
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	9	1.9
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	9	1.9
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	11	1.9
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	11	1.9
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	11	1.9
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	1	1.9
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	1	1.9
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	9	1.9
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	9	1.9
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	19	1.9
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	19	1.9
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	19	1.9
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	20	1.9
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	20	1.9
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	20	1.9
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	3	1.9
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	3	1.9
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	3	1.9
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	12	1.9
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	1	1.9
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	3	1.9
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	15	1.9
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	18	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	20	1.9
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	11	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	1	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	3	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	4	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	5	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	7	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	8	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	10	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	12	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	13	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	15	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	17	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	18	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	19	1.9
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	20	1.9
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	3	1.9
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	4	1.9
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	7	1.9
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	8	1.9
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	14	1.9
(2,2611)	1:118:A:LEU:HB2	1:118:A:LEU:HA	19	1.9
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	1	1.9
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	1	1.9
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	1	1.9
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	9	1.9
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	9	1.9
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	9	1.9
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	16	1.9
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	16	1.9
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	16	1.9
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	18	1.9
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	18	1.9
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	18	1.9
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	17	1.9
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	2	1.9
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	3	1.9
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	15	1.9
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	15	1.9
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	16	1.9
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	6	1.9
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	6	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	6	1.9
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	10	1.9
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	10	1.9
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	10	1.9
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	14	1.9
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	14	1.9
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	14	1.9
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	16	1.9
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	7	1.9
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	7	1.9
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	7	1.9
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	3	1.9
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	8	1.9
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	10	1.9
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	10	1.9
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	10	1.9
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	9	1.9
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	9	1.9
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	9	1.9
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	18	1.9
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	18	1.9
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	18	1.9
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	13	1.9
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	13	1.9
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	13	1.9
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	19	1.9
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	19	1.9
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	19	1.9
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	8	1.9
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	12	1.9
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	12	1.9
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	7	1.9
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	14	1.9
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	9	1.9
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	17	1.9
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	17	1.9
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	17	1.9
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	19	1.9
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	19	1.9
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	19	1.9
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	20	1.9
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	20	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	20	1.9
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	1	1.9
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	4	1.9
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	5	1.9
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	6	1.9
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	8	1.9
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	9	1.9
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	10	1.9
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	13	1.9
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	14	1.9
(2,1630)	1:99:A:TYR:HB2	1:99:A:TYR:HB3	15	1.9
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	4	1.9
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	14	1.9
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	7	1.9
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	7	1.9
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	7	1.9
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	16	1.9
(2,1131)	1:118:A:LEU:HB3	1:118:A:LEU:HG	20	1.9
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	13	1.9
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	13	1.9
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	13	1.9
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	14	1.9
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	14	1.9
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	14	1.9
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	16	1.9
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	16	1.9
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	16	1.9
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	1	1.9
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	1	1.9
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	1	1.9
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	15	1.9
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	15	1.9
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	15	1.9
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	20	1.9
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	20	1.9
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	20	1.9
(2,1001)	1:72:A:LEU:HD21	1:73:A:SER:H	3	1.9
(2,1001)	1:72:A:LEU:HD22	1:73:A:SER:H	3	1.9
(2,1001)	1:72:A:LEU:HD23	1:73:A:SER:H	3	1.9
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	11	1.9
(2,992)	1:82:A:TYR:HB2	1:82:A:TYR:HB3	11	1.9
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	8	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	9	1.9
(2,967)	1:74:A:LEU:HB3	1:74:A:LEU:H	12	1.9
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	2	1.9
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	5	1.9
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	7	1.9
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	14	1.9
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	16	1.9
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	7	1.9
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	7	1.9
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	7	1.9
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	7	1.9
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	7	1.9
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	7	1.9
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	7	1.9
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	7	1.9
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	7	1.9
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	11	1.9
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	11	1.9
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	11	1.9
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	11	1.9
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	11	1.9
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	11	1.9
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	11	1.9
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	11	1.9
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	11	1.9
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	12	1.9
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	12	1.9
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	12	1.9
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	12	1.9
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	12	1.9
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	12	1.9
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	12	1.9
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	12	1.9
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	12	1.9
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	14	1.9
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	14	1.9
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	14	1.9
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	14	1.9
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	14	1.9
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	14	1.9
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	14	1.9
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	14	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	14	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	2	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	2	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	2	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	3	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	3	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	3	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	4	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	4	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	4	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	5	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	5	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	5	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	7	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	7	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	7	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	8	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	8	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	8	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	10	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	10	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	10	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	13	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	13	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	13	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	14	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	14	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	14	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	15	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	15	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	15	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	16	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	16	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	16	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	20	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	20	1.9
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	20	1.9
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	2	1.9
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	2	1.9
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	2	1.9
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	4	1.9
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	4	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	4	1.9
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	19	1.9
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	19	1.9
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	19	1.9
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	1	1.9
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	4	1.9
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	17	1.9
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	10	1.9
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	19	1.9
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	12	1.9
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	14	1.9
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	16	1.9
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	19	1.9
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	4	1.9
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	4	1.9
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	4	1.9
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	10	1.9
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	10	1.9
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	10	1.9
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	12	1.9
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	12	1.9
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	12	1.9
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	13	1.9
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	13	1.9
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	13	1.9
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	14	1.9
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	14	1.9
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	14	1.9
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	15	1.9
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	15	1.9
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	15	1.9
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	17	1.9
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	17	1.9
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	17	1.9
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	18	1.9
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	18	1.9
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	18	1.9
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	20	1.9
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	20	1.9
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	20	1.9
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	1	1.9
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	10	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	17	1.9
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	17	1.9
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	17	1.9
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	3	1.9
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	3	1.9
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	3	1.9
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	9	1.9
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	9	1.9
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	9	1.9
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	11	1.9
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	11	1.9
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	11	1.9
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	16	1.9
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	16	1.9
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	16	1.9
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	18	1.9
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	8	1.9
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	8	1.9
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	8	1.9
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	1	1.9
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	1	1.9
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	1	1.9
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	1	1.9
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	1	1.9
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	1	1.9
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	1	1.9
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	1	1.9
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	1	1.9
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	10	1.9
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	10	1.9
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	10	1.9
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	13	1.9
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	13	1.9
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	13	1.9
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	4	1.9
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	6	1.9
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	3	1.9
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	2	1.9
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	13	1.9
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	18	1.9
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	12	1.9
(2,344)	1:61:A:ILE:H	1:61:A:ILE:HB	17	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,323)	1:145:A:MET:HE1	1:146:A:HIS:H	12	1.9
(2,323)	1:145:A:MET:HE2	1:146:A:HIS:H	12	1.9
(2,323)	1:145:A:MET:HE3	1:146:A:HIS:H	12	1.9
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	5	1.9
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	10	1.9
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	10	1.9
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	10	1.9
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	10	1.9
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	17	1.9
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	19	1.9
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	10	1.9
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	10	1.9
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	10	1.9
(2,105)	1:48:A:ILE:HD11	1:48:A:ILE:H	1	1.9
(2,105)	1:48:A:ILE:HD12	1:48:A:ILE:H	1	1.9
(2,105)	1:48:A:ILE:HD13	1:48:A:ILE:H	1	1.9
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	2	1.9
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	3	1.9
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	10	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	1	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	1	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	1	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	1	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	1	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	1	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	1	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	1	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	1	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	10	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	10	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	10	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	10	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	10	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	10	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	10	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	10	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	10	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	11	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	11	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	11	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	11	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	11	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	11	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	11	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	11	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	11	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	12	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	12	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	12	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	12	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	12	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	12	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	12	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	12	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	12	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	14	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	14	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	14	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	14	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	14	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	14	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	14	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	14	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	14	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	15	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	15	1.9
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	15	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	15	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	15	1.9
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	15	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	15	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	15	1.9
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	15	1.9
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	11	1.9
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	17	1.9
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	7	1.89
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	6	1.89
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	11	1.89
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	11	1.89
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	11	1.89
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	16	1.89
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	16	1.89
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	16	1.89
(2,3022)	1:84:A:ILE:HB	1:85:A:ALA:H	2	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	19	1.89
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	19	1.89
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	19	1.89
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	20	1.89
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	20	1.89
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	20	1.89
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	2	1.89
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	2	1.89
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	2	1.89
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	11	1.89
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	11	1.89
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	11	1.89
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	20	1.89
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	10	1.89
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	10	1.89
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	10	1.89
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	1	1.89
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	3	1.89
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	4	1.89
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	7	1.89
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	10	1.89
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	11	1.89
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	12	1.89
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	14	1.89
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	17	1.89
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	18	1.89
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	19	1.89
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	20	1.89
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	14	1.89
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	14	1.89
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	14	1.89
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	16	1.89
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	16	1.89
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	16	1.89
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	7	1.89
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	7	1.89
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	7	1.89
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	1	1.89
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	3	1.89
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	8	1.89
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	9	1.89
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	2	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	4	1.89
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	5	1.89
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	6	1.89
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	7	1.89
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	8	1.89
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	9	1.89
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	11	1.89
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	12	1.89
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	14	1.89
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	16	1.89
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	9	1.89
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	19	1.89
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	11	1.89
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	11	1.89
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	11	1.89
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	11	1.89
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	11	1.89
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	11	1.89
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	11	1.89
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	11	1.89
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	11	1.89
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	20	1.89
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	4	1.89
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	4	1.89
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	4	1.89
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	5	1.89
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	5	1.89
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	5	1.89
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	6	1.89
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	6	1.89
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	6	1.89
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	10	1.89
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	10	1.89
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	10	1.89
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	13	1.89
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	13	1.89
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	13	1.89
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	14	1.89
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	14	1.89
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	14	1.89
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	17	1.89
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	17	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	17	1.89
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	20	1.89
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	9	1.89
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	10	1.89
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	7	1.89
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	7	1.89
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	7	1.89
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	15	1.89
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	15	1.89
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	15	1.89
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	12	1.89
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	12	1.89
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	12	1.89
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	1	1.89
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	1	1.89
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	1	1.89
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	1	1.89
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	1	1.89
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	1	1.89
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	1	1.89
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	1	1.89
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	1	1.89
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	8	1.89
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	8	1.89
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	8	1.89
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	8	1.89
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	8	1.89
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	8	1.89
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	8	1.89
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	8	1.89
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	8	1.89
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	11	1.89
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	11	1.89
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	11	1.89
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	11	1.89
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	11	1.89
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	11	1.89
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	11	1.89
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	11	1.89
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	11	1.89
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	7	1.89
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	13	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	13	1.89
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	13	1.89
(2,2259)	1:158:A:PRO:HB2	1:159:A:ASN:H	10	1.89
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	1	1.89
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	1	1.89
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	1	1.89
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	7	1.89
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	13	1.89
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	12	1.89
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	12	1.89
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	12	1.89
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	19	1.89
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	19	1.89
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	19	1.89
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	2	1.89
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	4	1.89
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	20	1.89
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	7	1.89
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	7	1.89
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	7	1.89
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	6	1.89
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	6	1.89
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	6	1.89
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	8	1.89
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	8	1.89
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	8	1.89
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	16	1.89
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	16	1.89
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	16	1.89
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	16	1.89
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	16	1.89
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	16	1.89
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	15	1.89
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	15	1.89
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	15	1.89
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	9	1.89
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	11	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	1	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	1	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	1	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	2	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	2	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	2	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	3	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	3	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	3	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	4	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	4	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	4	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	5	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	5	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	5	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	6	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	6	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	6	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	7	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	7	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	7	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	8	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	8	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	8	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	9	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	9	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	9	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	10	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	10	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	10	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	11	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	11	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	11	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	12	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	12	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	12	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	13	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	13	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	13	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	14	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	14	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	14	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	15	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	15	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	15	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	16	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	16	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	16	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	17	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	17	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	17	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	18	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	18	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	18	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG21	20	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG22	20	1.89
(2,1933)	1:24:A:ILE:HB	1:24:A:ILE:HG23	20	1.89
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	5	1.89
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	16	1.89
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	20	1.89
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	19	1.89
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	19	1.89
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	2	1.89
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	1	1.89
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	7	1.89
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	19	1.89
(2,1730)	1:117:A:SER:H	1:117:A:SER:HB2	20	1.89
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	1	1.89
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	1	1.89
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	13	1.89
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	13	1.89
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	16	1.89
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	16	1.89
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	12	1.89
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	18	1.89
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	6	1.89
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	6	1.89
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	6	1.89
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	8	1.89
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	8	1.89
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	8	1.89
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	12	1.89
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	12	1.89
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	12	1.89
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	18	1.89
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	18	1.89
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	18	1.89
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	2	1.89
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	16	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	20	1.89
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	1	1.89
(2,1489)	1:156:A:ILE:HB	1:157:A:VAL:H	15	1.89
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	19	1.89
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	19	1.89
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	19	1.89
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	12	1.89
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	17	1.89
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	13	1.89
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	13	1.89
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	13	1.89
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	13	1.89
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	13	1.89
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	13	1.89
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	13	1.89
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	13	1.89
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	13	1.89
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	18	1.89
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	1	1.89
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	1	1.89
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	1	1.89
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	1	1.89
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	1	1.89
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	1	1.89
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	1	1.89
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	1	1.89
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	1	1.89
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	8	1.89
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	8	1.89
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	8	1.89
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	8	1.89
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	8	1.89
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	8	1.89
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	8	1.89
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	8	1.89
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	8	1.89
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	11	1.89
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	11	1.89
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	11	1.89
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	11	1.89
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	11	1.89
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	11	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	11	1.89
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	11	1.89
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	11	1.89
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	4	1.89
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	4	1.89
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	4	1.89
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	5	1.89
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	5	1.89
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	5	1.89
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	12	1.89
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	12	1.89
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	12	1.89
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	10	1.89
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	10	1.89
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	10	1.89
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	14	1.89
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	14	1.89
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	14	1.89
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	20	1.89
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	20	1.89
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	20	1.89
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	5	1.89
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	5	1.89
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	5	1.89
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	8	1.89
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	8	1.89
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	8	1.89
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	11	1.89
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	11	1.89
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	11	1.89
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	12	1.89
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	12	1.89
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	12	1.89
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	13	1.89
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	13	1.89
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	13	1.89
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	16	1.89
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	16	1.89
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	16	1.89
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	17	1.89
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	17	1.89
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	17	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	18	1.89
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	18	1.89
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	18	1.89
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	4	1.89
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	10	1.89
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	12	1.89
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	19	1.89
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	19	1.89
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	19	1.89
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	13	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	1	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	1	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	1	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	1	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	1	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	1	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	1	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	1	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	1	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	2	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	2	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	2	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	2	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	2	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	2	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	2	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	2	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	2	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	3	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	3	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	3	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	3	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	3	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	3	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	3	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	3	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	3	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	4	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	4	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	4	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	4	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	4	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	4	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	4	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	4	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	4	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	6	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	6	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	6	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	6	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	6	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	6	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	6	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	6	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	6	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	8	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	8	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	8	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	8	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	8	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	8	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	8	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	8	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	8	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	9	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	9	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	9	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	9	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	9	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	9	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	9	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	9	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	9	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	10	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	10	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	10	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	10	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	10	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	10	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	10	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	10	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	10	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	13	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	13	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	13	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	13	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	13	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	13	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	13	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	13	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	13	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	15	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	15	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	15	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	15	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	15	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	15	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	15	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	15	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	15	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	16	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	16	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	16	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	16	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	16	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	16	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	16	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	16	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	16	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	17	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	17	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	17	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	17	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	17	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	17	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	17	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	17	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	17	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	18	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	18	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	18	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	18	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	18	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	18	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	18	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	18	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	18	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	19	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	19	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	19	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	19	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	19	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	19	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	19	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	19	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	19	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	20	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	20	1.89
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	20	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	20	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	20	1.89
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	20	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	20	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	20	1.89
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	20	1.89
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	17	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	1	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	1	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	1	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	6	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	6	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	6	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	9	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	9	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	9	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	11	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	11	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	11	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	12	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	12	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	12	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	18	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	18	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	18	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD11	19	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD12	19	1.89
(2,852)	1:65:A:ILE:HG12	1:65:A:ILE:HD13	19	1.89
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	11	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	16	1.89
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	16	1.89
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	16	1.89
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	10	1.89
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	11	1.89
(2,749)	1:116:A:LEU:HD11	1:116:A:LEU:H	16	1.89
(2,749)	1:116:A:LEU:HD12	1:116:A:LEU:H	16	1.89
(2,749)	1:116:A:LEU:HD13	1:116:A:LEU:H	16	1.89
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	11	1.89
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	11	1.89
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	11	1.89
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	20	1.89
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	20	1.89
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	20	1.89
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	3	1.89
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	3	1.89
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	3	1.89
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	6	1.89
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	6	1.89
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	6	1.89
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	7	1.89
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	7	1.89
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	7	1.89
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	8	1.89
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	8	1.89
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	8	1.89
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	9	1.89
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	9	1.89
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	9	1.89
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	16	1.89
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	16	1.89
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	16	1.89
(2,704)	1:163:A:VAL:HG11	1:163:A:VAL:HA	19	1.89
(2,704)	1:163:A:VAL:HG12	1:163:A:VAL:HA	19	1.89
(2,704)	1:163:A:VAL:HG13	1:163:A:VAL:HA	19	1.89
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	6	1.89
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	12	1.89
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	14	1.89
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	19	1.89
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	19	1.89
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	19	1.89
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	4	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	4	1.89
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	4	1.89
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	19	1.89
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	19	1.89
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	19	1.89
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	20	1.89
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	20	1.89
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	20	1.89
(2,623)	1:129:A:ASN:HB3	1:129:A:ASN:H	16	1.89
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	9	1.89
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	9	1.89
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	9	1.89
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	7	1.89
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	7	1.89
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	7	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	2	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	2	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	2	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	4	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	4	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	4	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	6	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	6	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	6	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	10	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	10	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	10	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	15	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	15	1.89
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	15	1.89
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	18	1.89
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	18	1.89
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	18	1.89
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	9	1.89
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	9	1.89
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	9	1.89
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	3	1.89
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	2	1.89
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	4	1.89
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	13	1.89
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	7	1.89
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	15	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	17	1.89
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	3	1.89
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	3	1.89
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	3	1.89
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	4	1.89
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	4	1.89
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	4	1.89
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	7	1.89
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	7	1.89
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	7	1.89
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	8	1.89
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	8	1.89
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	8	1.89
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	18	1.89
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	18	1.89
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	18	1.89
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	13	1.89
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	6	1.89
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	9	1.89
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	10	1.89
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	13	1.89
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	15	1.89
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	16	1.89
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	8	1.89
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	8	1.89
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	8	1.89
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	9	1.89
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	9	1.89
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	9	1.89
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	9	1.89
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	9	1.89
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	9	1.89
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	18	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	4	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	4	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	4	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	4	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	4	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	4	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	4	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	4	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	4	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	5	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	5	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	5	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	5	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	5	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	5	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	5	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	5	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	5	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	8	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	8	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	8	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	8	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	8	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	8	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	8	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	8	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	8	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	17	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	17	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	17	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	17	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	17	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	17	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	17	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	17	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	17	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	18	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	18	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	18	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	18	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	18	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	18	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	18	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	18	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	18	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	19	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	19	1.89
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	19	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	19	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	19	1.89
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	19	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	19	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	19	1.89
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	19	1.89
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	6	1.89
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	2	1.89
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	19	1.88
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	19	1.88
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	3	1.88
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	12	1.88
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	12	1.88
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	12	1.88
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	17	1.88
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	17	1.88
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	17	1.88
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	19	1.88
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	19	1.88
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	19	1.88
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	2	1.88
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	2	1.88
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	2	1.88
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	16	1.88
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	10	1.88
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	2	1.88
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	2	1.88
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	2	1.88
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	4	1.88
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	4	1.88
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	4	1.88
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	9	1.88
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	9	1.88
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	9	1.88
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	14	1.88
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	14	1.88
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	14	1.88
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG21	20	1.88
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG22	20	1.88
(2,2930)	1:101:A:ILE:H	1:100:A:ILE:HG23	20	1.88
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	10	1.88
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	1	1.88
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	1	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	1	1.88
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	4	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	4	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	4	1.88
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	5	1.88
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	5	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	5	1.88
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	7	1.88
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	7	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	7	1.88
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	8	1.88
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	8	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	8	1.88
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	9	1.88
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	9	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	9	1.88
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	13	1.88
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	13	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	13	1.88
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	15	1.88
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	15	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	15	1.88
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	16	1.88
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	16	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	16	1.88
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	17	1.88
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	17	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	17	1.88
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	18	1.88
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	18	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	18	1.88
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	20	1.88
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	20	1.88
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	20	1.88
(2,2870)	1:29:A:LEU:HD21	1:29:A:LEU:HA	13	1.88
(2,2870)	1:29:A:LEU:HD22	1:29:A:LEU:HA	13	1.88
(2,2870)	1:29:A:LEU:HD23	1:29:A:LEU:HA	13	1.88
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	2	1.88
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	5	1.88
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	6	1.88
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	8	1.88
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	9	1.88
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	13	1.88
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	15	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2861)	1:153:A:LEU:HB2	1:153:A:LEU:HB3	16	1.88
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	7	1.88
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	16	1.88
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	17	1.88
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	17	1.88
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	17	1.88
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	19	1.88
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	19	1.88
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	19	1.88
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	1	1.88
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	1	1.88
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	1	1.88
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	5	1.88
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	5	1.88
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	5	1.88
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	9	1.88
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	9	1.88
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	9	1.88
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	13	1.88
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	13	1.88
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	13	1.88
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	15	1.88
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	15	1.88
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	15	1.88
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	18	1.88
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	18	1.88
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	18	1.88
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	4	1.88
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	11	1.88
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	17	1.88
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	7	1.88
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	9	1.88
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	10	1.88
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	13	1.88
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	17	1.88
(2,2689)	1:158:A:PRO:HD2	1:158:A:PRO:HG2	19	1.88
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	8	1.88
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	11	1.88
(2,2653)	1:153:A:LEU:HB3	1:153:A:LEU:HA	16	1.88
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	19	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	1	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	1	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	1	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	1	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	1	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	1	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	1	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	1	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	1	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	6	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	6	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	6	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	6	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	6	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	6	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	6	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	6	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	6	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	7	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	7	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	7	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	7	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	7	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	7	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	7	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	7	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	7	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	9	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	9	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	9	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	9	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	9	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	9	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	9	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	9	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	9	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	18	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	18	1.88
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	18	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	18	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	18	1.88
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	18	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	18	1.88
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	18	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	18	1.88
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	13	1.88
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	2	1.88
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	2	1.88
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	2	1.88
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	3	1.88
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	3	1.88
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	3	1.88
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	8	1.88
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	8	1.88
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	8	1.88
(2,2582)	1:156:A:ILE:HD11	1:156:A:ILE:HB	11	1.88
(2,2582)	1:156:A:ILE:HD12	1:156:A:ILE:HB	11	1.88
(2,2582)	1:156:A:ILE:HD13	1:156:A:ILE:HB	11	1.88
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	19	1.88
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	4	1.88
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	6	1.88
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	10	1.88
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	1	1.88
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	1	1.88
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	1	1.88
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	2	1.88
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	2	1.88
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	2	1.88
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	5	1.88
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	5	1.88
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	5	1.88
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	7	1.88
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	7	1.88
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	7	1.88
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	8	1.88
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	8	1.88
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	8	1.88
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	10	1.88
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	10	1.88
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	10	1.88
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	18	1.88
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	18	1.88
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	18	1.88
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	7	1.88
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	7	1.88
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	7	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	7	1.88
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	7	1.88
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	7	1.88
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	7	1.88
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	7	1.88
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	7	1.88
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	16	1.88
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	16	1.88
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	16	1.88
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	16	1.88
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	16	1.88
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	16	1.88
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	16	1.88
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	16	1.88
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	16	1.88
(2,2378)	1:111:A:PHE:H	1:111:A:PHE:HB2	16	1.88
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	4	1.88
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	4	1.88
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	4	1.88
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	16	1.88
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	20	1.88
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	20	1.88
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	20	1.88
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	9	1.88
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	9	1.88
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	9	1.88
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	6	1.88
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	7	1.88
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	8	1.88
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	15	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	1	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	1	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	1	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	2	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	2	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	2	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	4	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	4	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	4	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	5	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	5	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	5	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	6	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	6	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	6	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	7	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	7	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	7	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	8	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	8	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	8	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	9	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	9	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	9	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	10	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	10	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	10	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	11	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	11	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	11	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	12	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	12	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	12	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	13	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	13	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	13	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	14	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	14	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	14	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	15	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	15	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	15	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	16	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	16	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	16	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	17	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	17	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	17	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	18	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	18	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	18	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	19	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	19	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	19	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	20	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	20	1.88
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	20	1.88
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	9	1.88
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	11	1.88
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	6	1.88
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	6	1.88
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	3	1.88
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	3	1.88
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	11	1.88
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	11	1.88
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	9	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	3	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	3	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	3	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	4	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	4	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	4	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	5	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	5	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	5	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	13	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	13	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	13	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	16	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	16	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	16	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	17	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	17	1.88
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	17	1.88
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	3	1.88
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	16	1.88
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	11	1.88
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	11	1.88
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	11	1.88
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	10	1.88
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	16	1.88
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	19	1.88
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	20	1.88
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	2	1.88
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	2	1.88
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	2	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	4	1.88
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	4	1.88
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	4	1.88
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	9	1.88
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	9	1.88
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	9	1.88
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	19	1.88
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	19	1.88
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	19	1.88
(2,2008)	1:89:A:ILE:HD11	1:89:A:ILE:HA	20	1.88
(2,2008)	1:89:A:ILE:HD12	1:89:A:ILE:HA	20	1.88
(2,2008)	1:89:A:ILE:HD13	1:89:A:ILE:HA	20	1.88
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	3	1.88
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	3	1.88
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	3	1.88
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	7	1.88
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	7	1.88
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	7	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	1	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	2	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	3	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	4	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	5	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	6	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	7	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	8	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	9	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	10	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	11	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	12	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	13	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	14	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	15	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	16	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	17	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	18	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	19	1.88
(2,1916)	1:158:A:PRO:HD2	1:158:A:PRO:HD3	20	1.88
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	1	1.88
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	2	1.88
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	10	1.88
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	13	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	2	1.88
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	2	1.88
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	16	1.88
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	20	1.88
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	6	1.88
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	6	1.88
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	9	1.88
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	9	1.88
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	4	1.88
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	10	1.88
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	1	1.88
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	1	1.88
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	1	1.88
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	4	1.88
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	4	1.88
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	4	1.88
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	7	1.88
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	7	1.88
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	7	1.88
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	4	1.88
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	10	1.88
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	17	1.88
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	12	1.88
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	12	1.88
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	12	1.88
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	19	1.88
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	19	1.88
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	19	1.88
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	1	1.88
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	1	1.88
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	1	1.88
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	1	1.88
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	9	1.88
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	9	1.88
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	9	1.88
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	2	1.88
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	2	1.88
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	2	1.88
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	4	1.88
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	4	1.88
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	4	1.88
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	6	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	6	1.88
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	6	1.88
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	14	1.88
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	14	1.88
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	14	1.88
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	19	1.88
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	19	1.88
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	19	1.88
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	4	1.88
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	7	1.88
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	8	1.88
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	14	1.88
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	15	1.88
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	18	1.88
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	7	1.88
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	7	1.88
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	7	1.88
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	7	1.88
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	7	1.88
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	7	1.88
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	7	1.88
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	7	1.88
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	7	1.88
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	12	1.88
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	12	1.88
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	12	1.88
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	12	1.88
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	12	1.88
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	12	1.88
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	12	1.88
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	12	1.88
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	12	1.88
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	16	1.88
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	16	1.88
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	16	1.88
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	16	1.88
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	16	1.88
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	16	1.88
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	16	1.88
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	16	1.88
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	16	1.88
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	3	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	3	1.88
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	3	1.88
(2,1111)	1:78:A:VAL:HG11	1:78:A:VAL:HA	11	1.88
(2,1111)	1:78:A:VAL:HG12	1:78:A:VAL:HA	11	1.88
(2,1111)	1:78:A:VAL:HG13	1:78:A:VAL:HA	11	1.88
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	3	1.88
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	3	1.88
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	3	1.88
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	7	1.88
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	7	1.88
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	7	1.88
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	1	1.88
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	1	1.88
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	1	1.88
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	2	1.88
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	2	1.88
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	2	1.88
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	3	1.88
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	3	1.88
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	3	1.88
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	4	1.88
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	4	1.88
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	4	1.88
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	6	1.88
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	6	1.88
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	6	1.88
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	7	1.88
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	7	1.88
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	7	1.88
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	9	1.88
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	9	1.88
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	9	1.88
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	10	1.88
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	10	1.88
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	10	1.88
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	14	1.88
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	14	1.88
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	14	1.88
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	15	1.88
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	15	1.88
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	15	1.88
(2,1048)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	19	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1048)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	19	1.88
(2,1048)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	19	1.88
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	1	1.88
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	2	1.88
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	7	1.88
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	20	1.88
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	4	1.88
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	18	1.88
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	19	1.88
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	19	1.88
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG21	5	1.88
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG22	5	1.88
(2,890)	1:78:A:VAL:HG11	1:78:A:VAL:HG23	5	1.88
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG21	5	1.88
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG22	5	1.88
(2,890)	1:78:A:VAL:HG12	1:78:A:VAL:HG23	5	1.88
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG21	5	1.88
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG22	5	1.88
(2,890)	1:78:A:VAL:HG13	1:78:A:VAL:HG23	5	1.88
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	2	1.88
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	3	1.88
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	8	1.88
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	16	1.88
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	19	1.88
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	17	1.88
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	17	1.88
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	17	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	1	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	2	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	3	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	4	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	5	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	6	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	7	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	8	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	9	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	10	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	11	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	12	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	13	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	14	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	15	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	16	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	17	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	18	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	19	1.88
(2,778)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	20	1.88
(2,776)	1:24:A:ILE:HB	1:25:A:SER:H	20	1.88
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	9	1.88
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	17	1.88
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	3	1.88
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	3	1.88
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	3	1.88
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	14	1.88
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	14	1.88
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	14	1.88
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	16	1.88
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	16	1.88
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	16	1.88
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	2	1.88
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	7	1.88
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	9	1.88
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	17	1.88
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	13	1.88
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	13	1.88
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	13	1.88
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	7	1.88
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	7	1.88
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	7	1.88
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	11	1.88
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	11	1.88
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	11	1.88
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	14	1.88
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	14	1.88
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	14	1.88
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	1	1.88
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	1	1.88
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	1	1.88
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	5	1.88
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	5	1.88
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	5	1.88
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	20	1.88
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	20	1.88
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	20	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	12	1.88
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	12	1.88
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	12	1.88
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	14	1.88
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	14	1.88
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	14	1.88
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	20	1.88
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	20	1.88
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	20	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	1	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	1	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	1	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	2	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	2	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	2	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	3	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	3	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	3	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	4	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	4	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	4	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	5	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	5	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	5	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	6	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	6	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	6	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	7	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	7	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	7	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	9	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	9	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	9	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	10	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	10	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	10	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	11	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	11	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	11	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	12	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	12	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	12	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	13	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	13	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	13	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	14	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	14	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	14	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	15	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	15	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	15	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	16	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	16	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	16	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	17	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	17	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	17	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	19	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	19	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	19	1.88
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	20	1.88
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	20	1.88
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	20	1.88
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	19	1.88
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	19	1.88
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	19	1.88
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	8	1.88
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	3	1.88
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	4	1.88
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	5	1.88
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	8	1.88
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	12	1.88
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	19	1.88
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	5	1.88
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	5	1.88
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	5	1.88
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	6	1.88
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	6	1.88
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	6	1.88
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	11	1.88
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	11	1.88
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	11	1.88
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	14	1.88
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	14	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	14	1.88
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	12	1.88
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	19	1.88
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	20	1.88
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	1	1.88
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	2	1.88
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	7	1.88
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	8	1.88
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	11	1.88
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	12	1.88
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	14	1.88
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	17	1.88
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	18	1.88
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	20	1.88
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	1	1.88
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	1	1.88
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	1	1.88
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	15	1.88
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	15	1.88
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	15	1.88
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	18	1.88
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	18	1.88
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	18	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	4	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	4	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	4	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	5	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	5	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	5	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	6	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	6	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	6	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	8	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	8	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	8	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	11	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	11	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	11	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	14	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	14	1.88
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	14	1.88
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	20	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	20	1.88
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	20	1.88
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	20	1.88
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	20	1.88
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	20	1.88
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	20	1.88
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	20	1.88
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	20	1.88
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	14	1.87
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	14	1.87
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	1	1.87
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	1	1.87
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	1	1.87
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	4	1.87
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	4	1.87
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	4	1.87
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	7	1.87
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	7	1.87
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	7	1.87
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	3	1.87
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	3	1.87
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	3	1.87
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	7	1.87
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	7	1.87
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	7	1.87
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	11	1.87
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	11	1.87
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	11	1.87
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	15	1.87
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	15	1.87
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	15	1.87
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	12	1.87
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	12	1.87
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	12	1.87
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	15	1.87
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	10	1.87
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	10	1.87
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	11	1.87
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	11	1.87
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	3	1.87
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	3	1.87
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	3	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	6	1.87
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	6	1.87
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	6	1.87
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	11	1.87
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	11	1.87
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	11	1.87
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	12	1.87
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	12	1.87
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	12	1.87
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	14	1.87
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	14	1.87
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	14	1.87
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	19	1.87
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	19	1.87
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	19	1.87
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	17	1.87
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	20	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	2	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	2	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	2	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	4	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	4	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	4	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	6	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	6	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	6	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	10	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	10	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	10	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	12	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	12	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	12	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	15	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	15	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	15	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	18	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	18	1.87
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	18	1.87
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	4	1.87
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	4	1.87
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	4	1.87
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	10	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	10	1.87
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	10	1.87
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	12	1.87
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	12	1.87
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	12	1.87
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	14	1.87
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	14	1.87
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	14	1.87
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	17	1.87
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	17	1.87
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	17	1.87
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	7	1.87
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	13	1.87
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	14	1.87
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	20	1.87
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	6	1.87
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	6	1.87
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	6	1.87
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	12	1.87
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	9	1.87
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	14	1.87
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	8	1.87
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	8	1.87
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	8	1.87
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	8	1.87
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	8	1.87
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	8	1.87
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	8	1.87
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	8	1.87
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	8	1.87
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	5	1.87
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	13	1.87
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	2	1.87
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	2	1.87
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	2	1.87
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	5	1.87
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	5	1.87
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	5	1.87
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	18	1.87
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	18	1.87
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	18	1.87
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	3	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	3	1.87
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	3	1.87
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	13	1.87
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	13	1.87
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	13	1.87
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	16	1.87
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	16	1.87
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	16	1.87
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	17	1.87
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	17	1.87
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	17	1.87
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	4	1.87
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	4	1.87
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	4	1.87
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	4	1.87
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	4	1.87
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	4	1.87
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	4	1.87
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	4	1.87
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	4	1.87
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	12	1.87
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	12	1.87
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	12	1.87
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	12	1.87
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	12	1.87
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	12	1.87
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	12	1.87
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	12	1.87
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	12	1.87
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	17	1.87
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	17	1.87
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	17	1.87
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	17	1.87
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	17	1.87
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	17	1.87
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	17	1.87
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	17	1.87
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	17	1.87
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	5	1.87
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	2	1.87
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	2	1.87
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	2	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	1	1.87
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	3	1.87
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	4	1.87
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	9	1.87
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	10	1.87
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	18	1.87
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	19	1.87
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	19	1.87
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	19	1.87
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG11	3	1.87
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG12	3	1.87
(2,2212)	1:63:A:VAL:HB	1:63:A:VAL:HG13	3	1.87
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	4	1.87
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	8	1.87
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	11	1.87
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	16	1.87
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	20	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	1	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	1	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	1	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	6	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	6	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	6	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	8	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	8	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	8	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	10	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	10	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	10	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	18	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	18	1.87
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	18	1.87
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	1	1.87
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	5	1.87
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	8	1.87
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	9	1.87
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	10	1.87
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	12	1.87
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	13	1.87
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	15	1.87
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	17	1.87
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	1	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	6	1.87
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	12	1.87
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	12	1.87
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	12	1.87
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	14	1.87
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	14	1.87
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	14	1.87
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	17	1.87
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	17	1.87
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	17	1.87
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	5	1.87
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	5	1.87
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	5	1.87
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	5	1.87
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	5	1.87
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	5	1.87
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	11	1.87
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	11	1.87
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	11	1.87
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	7	1.87
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	9	1.87
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	12	1.87
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	15	1.87
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	18	1.87
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	4	1.87
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	4	1.87
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	4	1.87
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	6	1.87
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	6	1.87
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	6	1.87
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	8	1.87
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	8	1.87
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	8	1.87
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	9	1.87
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	9	1.87
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	9	1.87
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	13	1.87
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	13	1.87
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	13	1.87
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	16	1.87
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	16	1.87
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	16	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	17	1.87
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	17	1.87
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	17	1.87
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	20	1.87
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	20	1.87
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	20	1.87
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	5	1.87
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	11	1.87
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	15	1.87
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	15	1.87
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	19	1.87
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	19	1.87
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	6	1.87
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	12	1.87
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	19	1.87
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	3	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	1	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	2	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	3	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	4	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	5	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	6	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	7	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	8	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	9	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	11	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	12	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	13	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	14	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	15	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	16	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	18	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	19	1.87
(2,1597)	1:73:A:SER:HB2	1:73:A:SER:HB3	20	1.87
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	17	1.87
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	19	1.87
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	19	1.87
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	19	1.87
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	12	1.87
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	7	1.87
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	7	1.87
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	7	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	8	1.87
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	8	1.87
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	8	1.87
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	17	1.87
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	17	1.87
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	17	1.87
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	9	1.87
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	6	1.87
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	6	1.87
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	6	1.87
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	6	1.87
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	6	1.87
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	6	1.87
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	6	1.87
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	6	1.87
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	6	1.87
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	1	1.87
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	11	1.87
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	4	1.87
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	4	1.87
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	4	1.87
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	4	1.87
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	4	1.87
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	4	1.87
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	4	1.87
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	4	1.87
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	4	1.87
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	17	1.87
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	17	1.87
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	17	1.87
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	17	1.87
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	17	1.87
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	17	1.87
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	17	1.87
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	17	1.87
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	17	1.87
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	20	1.87
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	20	1.87
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	20	1.87
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	4	1.87
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	4	1.87
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	4	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	5	1.87
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	5	1.87
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	5	1.87
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	18	1.87
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	18	1.87
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	18	1.87
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	2	1.87
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	2	1.87
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	2	1.87
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	16	1.87
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	16	1.87
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	16	1.87
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	19	1.87
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	19	1.87
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	19	1.87
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	20	1.87
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	20	1.87
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	20	1.87
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	11	1.87
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	11	1.87
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	11	1.87
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	18	1.87
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	4	1.87
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	17	1.87
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	1	1.87
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	4	1.87
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	5	1.87
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	7	1.87
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	12	1.87
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	15	1.87
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	18	1.87
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	20	1.87
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	7	1.87
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	3	1.87
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	13	1.87
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	16	1.87
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	4	1.87
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	4	1.87
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	4	1.87
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	7	1.87
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	7	1.87
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	7	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	12	1.87
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	12	1.87
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	12	1.87
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	5	1.87
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	8	1.87
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	14	1.87
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	11	1.87
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	17	1.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	2	1.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	2	1.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	2	1.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	4	1.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	4	1.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	4	1.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	8	1.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	8	1.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	8	1.87
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	1	1.87
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	1	1.87
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	1	1.87
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	5	1.87
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	5	1.87
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	5	1.87
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	9	1.87
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	9	1.87
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	9	1.87
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	13	1.87
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	13	1.87
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	13	1.87
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	15	1.87
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	15	1.87
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	15	1.87
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	18	1.87
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	18	1.87
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	18	1.87
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	2	1.87
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	2	1.87
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	2	1.87
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	18	1.87
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	18	1.87
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	18	1.87
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	16	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	16	1.87
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	16	1.87
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	17	1.87
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	17	1.87
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	17	1.87
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	18	1.87
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	18	1.87
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	18	1.87
(2,577)	1:101:A:ILE:HD11	1:101:A:ILE:HG12	8	1.87
(2,577)	1:101:A:ILE:HD12	1:101:A:ILE:HG12	8	1.87
(2,577)	1:101:A:ILE:HD13	1:101:A:ILE:HG12	8	1.87
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	17	1.87
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	5	1.87
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	5	1.87
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	5	1.87
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	14	1.87
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	14	1.87
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	14	1.87
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	9	1.87
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	20	1.87
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	7	1.87
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	10	1.87
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	1	1.87
(2,379)	1:165:A:ILE:HD11	1:165:A:ILE:HA	1	1.87
(2,379)	1:165:A:ILE:HD12	1:165:A:ILE:HA	1	1.87
(2,379)	1:165:A:ILE:HD13	1:165:A:ILE:HA	1	1.87
(2,352)	1:103:A:ARG:HD3	1:103:A:ARG:HB3	6	1.87
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	8	1.87
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	9	1.87
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	3	1.87
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	3	1.87
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	3	1.87
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	19	1.87
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	19	1.87
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	19	1.87
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	4	1.87
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	4	1.87
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	4	1.87
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	16	1.87
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	16	1.87
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	16	1.87
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	20	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	20	1.87
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	20	1.87
(2,180)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	3	1.87
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	6	1.87
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	6	1.87
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	6	1.87
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	14	1.87
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	14	1.87
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	14	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	10	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	10	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	10	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	12	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	12	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	12	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	16	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	16	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	16	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	20	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	20	1.87
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	20	1.87
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	6	1.87
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	6	1.87
(2,58)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	6	1.87
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	6	1.87
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	6	1.87
(2,58)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	6	1.87
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	6	1.87
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	6	1.87
(2,58)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	6	1.87
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	4	1.87
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	14	1.87
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	9	1.86
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	18	1.86
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	18	1.86
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	3	1.86
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	3	1.86
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	3	1.86
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	6	1.86
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	6	1.86
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	6	1.86
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	12	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	12	1.86
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	12	1.86
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	17	1.86
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	17	1.86
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	17	1.86
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	19	1.86
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	19	1.86
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	19	1.86
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	17	1.86
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	1	1.86
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	1	1.86
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	1	1.86
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	2	1.86
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	2	1.86
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	2	1.86
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	5	1.86
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	5	1.86
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	5	1.86
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	8	1.86
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	8	1.86
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	8	1.86
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG21	12	1.86
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG22	12	1.86
(2,3126)	1:84:A:ILE:HG13	1:84:A:ILE:HG23	12	1.86
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	6	1.86
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	19	1.86
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	18	1.86
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	18	1.86
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	18	1.86
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	5	1.86
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	16	1.86
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	2	1.86
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	4	1.86
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	4	1.86
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	16	1.86
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	16	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	1	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	2	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	3	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	4	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	5	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	6	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	7	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	8	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	9	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	10	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	11	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	12	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	13	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	14	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	15	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	16	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	17	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	18	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	19	1.86
(2,2868)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	20	1.86
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	3	1.86
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	5	1.86
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	13	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	1	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	1	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	1	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	5	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	5	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	5	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	7	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	7	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	7	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	8	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	8	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	8	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	9	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	9	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	9	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	13	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	13	1.86
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	13	1.86
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	2	1.86
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	2	1.86
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	2	1.86
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	6	1.86
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	6	1.86
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	6	1.86
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	8	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	8	1.86
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	8	1.86
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	11	1.86
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	11	1.86
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	11	1.86
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	15	1.86
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	16	1.86
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	19	1.86
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	13	1.86
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	13	1.86
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	13	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	1	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	1	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	1	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	1	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	1	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	1	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	1	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	1	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	1	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	2	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	2	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	2	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	2	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	2	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	2	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	2	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	2	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	2	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	3	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	3	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	3	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	3	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	3	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	3	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	3	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	3	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	3	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	4	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	4	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	4	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	4	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	4	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	4	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	4	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	4	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	4	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	5	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	5	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	5	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	5	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	5	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	5	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	5	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	5	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	5	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	6	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	6	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	6	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	6	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	6	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	6	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	6	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	6	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	6	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	7	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	7	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	7	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	7	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	7	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	7	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	7	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	7	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	7	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	8	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	8	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	8	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	8	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	8	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	8	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	8	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	8	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	8	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	9	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	9	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	9	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	9	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	9	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	9	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	9	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	9	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	9	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	10	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	10	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	10	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	10	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	10	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	10	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	10	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	10	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	10	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	11	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	11	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	11	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	11	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	11	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	11	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	11	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	11	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	11	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	12	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	12	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	12	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	12	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	12	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	12	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	12	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	12	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	12	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	13	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	13	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	13	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	13	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	13	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	13	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	13	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	13	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	13	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	14	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	14	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	14	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	14	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	14	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	14	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	14	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	14	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	14	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	15	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	15	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	15	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	15	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	15	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	15	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	15	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	15	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	15	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	16	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	16	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	16	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	16	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	16	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	16	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	16	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	16	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	16	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	17	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	17	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	17	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	17	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	17	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	17	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	17	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	17	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	17	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	18	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	18	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	18	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	18	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	18	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	18	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	18	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	18	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	18	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	19	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	19	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	19	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	19	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	19	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	19	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	19	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	19	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	19	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	20	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	20	1.86
(2,2769)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	20	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	20	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	20	1.86
(2,2769)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	20	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	20	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	20	1.86
(2,2769)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	20	1.86
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	1	1.86
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	4	1.86
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	5	1.86
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	6	1.86
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	11	1.86
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	12	1.86
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	15	1.86
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	2	1.86
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	8	1.86
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	15	1.86
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	1	1.86
(2,2674)	1:7:A:TYR:HB2	1:7:A:TYR:HA	6	1.86
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	11	1.86
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	18	1.86
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	12	1.86
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	20	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	3	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	3	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	3	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	3	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	3	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	3	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	3	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	3	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	3	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	10	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	10	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	10	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	10	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	10	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	10	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	10	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	10	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	10	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	15	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	15	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	15	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	15	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	15	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	15	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	15	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	15	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	15	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	19	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	19	1.86
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	19	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	19	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	19	1.86
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	19	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	19	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	19	1.86
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	19	1.86
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	16	1.86
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	18	1.86
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	17	1.86
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	4	1.86
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	4	1.86
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	4	1.86
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	14	1.86
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	14	1.86
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	14	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	16	1.86
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	16	1.86
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	16	1.86
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	17	1.86
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	17	1.86
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	17	1.86
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	1	1.86
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	1	1.86
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	1	1.86
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	4	1.86
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	4	1.86
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	4	1.86
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	6	1.86
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	6	1.86
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	6	1.86
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	12	1.86
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	12	1.86
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	12	1.86
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	14	1.86
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	14	1.86
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	14	1.86
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	20	1.86
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	20	1.86
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	20	1.86
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	3	1.86
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	3	1.86
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	3	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	2	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	2	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	2	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	2	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	2	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	2	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	2	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	2	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	2	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	5	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	5	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	5	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	5	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	5	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	5	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	5	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	5	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	5	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	10	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	10	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	10	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	10	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	10	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	10	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	10	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	10	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	10	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	20	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	20	1.86
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	20	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	20	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	20	1.86
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	20	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	20	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	20	1.86
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	20	1.86
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	3	1.86
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	3	1.86
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	3	1.86
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	17	1.86
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	17	1.86
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	17	1.86
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	1	1.86
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	1	1.86
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	1	1.86
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	19	1.86
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	19	1.86
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	19	1.86
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	5	1.86
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	12	1.86
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	16	1.86
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	8	1.86
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	8	1.86
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	8	1.86
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	18	1.86
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	18	1.86
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	18	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	5	1.86
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	5	1.86
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	5	1.86
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	5	1.86
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	5	1.86
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	5	1.86
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	5	1.86
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	5	1.86
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	5	1.86
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	1	1.86
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	2	1.86
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	10	1.86
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	14	1.86
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	18	1.86
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	7	1.86
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	7	1.86
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	7	1.86
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	6	1.86
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	11	1.86
(2,2070)	1:110:A:PRO:HD3	1:110:A:PRO:HB3	19	1.86
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	1	1.86
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	1	1.86
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	1	1.86
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	1	1.86
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	4	1.86
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	7	1.86
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	11	1.86
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	16	1.86
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	17	1.86
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	18	1.86
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	20	1.86
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	4	1.86
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	11	1.86
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	5	1.86
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	5	1.86
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	5	1.86
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	11	1.86
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	11	1.86
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	11	1.86
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	13	1.86
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	13	1.86
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	13	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	2	1.86
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	2	1.86
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	2	1.86
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	3	1.86
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	3	1.86
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	3	1.86
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	6	1.86
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	6	1.86
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	6	1.86
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	9	1.86
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	9	1.86
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	9	1.86
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	13	1.86
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	13	1.86
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	13	1.86
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	14	1.86
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	14	1.86
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	14	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	1	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	1	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	1	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	2	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	2	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	2	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	4	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	4	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	4	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	5	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	5	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	5	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	6	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	6	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	6	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	7	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	7	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	7	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	8	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	8	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	8	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	9	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	9	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	9	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	10	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	10	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	10	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	12	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	12	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	12	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	13	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	13	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	13	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	14	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	14	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	14	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	15	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	15	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	15	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	16	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	16	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	16	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	17	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	17	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	17	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	18	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	18	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	18	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	19	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	19	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	19	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	20	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	20	1.86
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	20	1.86
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	3	1.86
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	4	1.86
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	6	1.86
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	8	1.86
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	14	1.86
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	17	1.86
(2,1896)	1:118:A:LEU:HB2	1:118:A:LEU:H	19	1.86
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	1	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	1	1.86
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	1	1.86
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	2	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	2	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	2	1.86
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	3	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	3	1.86
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	3	1.86
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	5	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	5	1.86
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	5	1.86
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	7	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	7	1.86
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	7	1.86
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	10	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	10	1.86
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	10	1.86
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	11	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	11	1.86
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	11	1.86
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	12	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	12	1.86
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	12	1.86
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	14	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	14	1.86
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	14	1.86
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	15	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	15	1.86
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	15	1.86
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	18	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	18	1.86
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	18	1.86
(2,1838)	1:165:A:ILE:HG21	1:165:A:ILE:HB	19	1.86
(2,1838)	1:165:A:ILE:HG22	1:165:A:ILE:HB	19	1.86
(2,1838)	1:165:A:ILE:HG23	1:165:A:ILE:HB	19	1.86
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	10	1.86
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	19	1.86
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	5	1.86
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	6	1.86
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	18	1.86
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	5	1.86
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	5	1.86
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	7	1.86
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	7	1.86
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	8	1.86
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	8	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	2	1.86
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	8	1.86
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	11	1.86
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	3	1.86
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	5	1.86
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	7	1.86
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	10	1.86
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	11	1.86
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	13	1.86
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	14	1.86
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	15	1.86
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	12	1.86
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	9	1.86
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	9	1.86
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	9	1.86
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	9	1.86
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	13	1.86
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	20	1.86
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	20	1.86
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	20	1.86
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	18	1.86
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	18	1.86
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	18	1.86
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	9	1.86
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	9	1.86
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	9	1.86
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	12	1.86
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	12	1.86
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	12	1.86
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	15	1.86
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	15	1.86
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	15	1.86
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	20	1.86
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	20	1.86
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	20	1.86
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	1	1.86
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	2	1.86
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	3	1.86
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	4	1.86
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	6	1.86
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	7	1.86
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	9	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	13	1.86
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	15	1.86
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	18	1.86
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	4	1.86
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	4	1.86
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	4	1.86
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	10	1.86
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	10	1.86
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	10	1.86
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	5	1.86
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	5	1.86
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	5	1.86
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	2	1.86
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	6	1.86
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	19	1.86
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	19	1.86
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	19	1.86
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	19	1.86
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	19	1.86
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	19	1.86
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	19	1.86
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	19	1.86
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	19	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	2	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	2	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	2	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	2	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	2	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	2	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	2	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	2	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	2	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	5	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	5	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	5	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	5	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	5	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	5	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	5	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	5	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	5	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	10	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	10	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	10	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	10	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	10	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	10	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	10	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	10	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	10	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	13	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	13	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	13	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	13	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	13	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	13	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	13	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	13	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	13	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	20	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	20	1.86
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	20	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	20	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	20	1.86
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	20	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	20	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	20	1.86
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	20	1.86
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	18	1.86
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	18	1.86
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	18	1.86
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	6	1.86
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	6	1.86
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	6	1.86
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	14	1.86
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	14	1.86
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	14	1.86
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	4	1.86
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	4	1.86
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	4	1.86
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	8	1.86
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	8	1.86
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	8	1.86
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	12	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	12	1.86
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	12	1.86
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	15	1.86
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	15	1.86
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	15	1.86
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	17	1.86
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	17	1.86
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	17	1.86
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	18	1.86
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	18	1.86
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	18	1.86
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	13	1.86
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	13	1.86
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	13	1.86
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	6	1.86
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	6	1.86
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	6	1.86
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	13	1.86
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	10	1.86
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	13	1.86
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	8	1.86
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	14	1.86
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	6	1.86
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	6	1.86
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	6	1.86
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	8	1.86
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	8	1.86
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	8	1.86
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	18	1.86
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	18	1.86
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	18	1.86
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	13	1.86
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	19	1.86
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	20	1.86
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	19	1.86
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	20	1.86
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	10	1.86
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	10	1.86
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	10	1.86
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	11	1.86
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	11	1.86
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	11	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	14	1.86
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	14	1.86
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	14	1.86
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	4	1.86
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	4	1.86
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	4	1.86
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	10	1.86
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	10	1.86
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	10	1.86
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	12	1.86
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	12	1.86
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	12	1.86
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	14	1.86
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	14	1.86
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	14	1.86
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	17	1.86
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	17	1.86
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	17	1.86
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	1	1.86
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	1	1.86
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	1	1.86
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	8	1.86
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	8	1.86
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	8	1.86
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	10	1.86
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	10	1.86
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	10	1.86
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	20	1.86
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	20	1.86
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	20	1.86
(2,604)	1:157:A:VAL:HG11	1:157:A:VAL:HA	15	1.86
(2,604)	1:157:A:VAL:HG12	1:157:A:VAL:HA	15	1.86
(2,604)	1:157:A:VAL:HG13	1:157:A:VAL:HA	15	1.86
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	3	1.86
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	3	1.86
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	3	1.86
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	5	1.86
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	5	1.86
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	5	1.86
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	13	1.86
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	13	1.86
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	13	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	9	1.86
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	13	1.86
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	1	1.86
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	4	1.86
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	4	1.86
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	4	1.86
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	14	1.86
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	14	1.86
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	14	1.86
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	17	1.86
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	17	1.86
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	17	1.86
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	18	1.86
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	18	1.86
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	18	1.86
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	3	1.86
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	16	1.86
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	8	1.86
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	8	1.86
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	8	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	1	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	1	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	1	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	2	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	2	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	2	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	4	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	4	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	4	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	6	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	6	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	6	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	7	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	7	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	7	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	8	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	8	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	8	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	11	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	11	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	11	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	12	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	12	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	12	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	17	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	17	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	17	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	18	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	18	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	18	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	20	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	20	1.86
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	20	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	1	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	1	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	1	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	2	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	2	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	2	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	3	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	3	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	3	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	5	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	5	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	5	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	6	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	6	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	6	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	7	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	7	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	7	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	8	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	8	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	8	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	9	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	9	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	9	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	10	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	10	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	10	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	11	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	11	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	11	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	12	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	12	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	12	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	13	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	13	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	13	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	14	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	14	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	14	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	15	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	15	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	15	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	17	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	17	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	17	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	18	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	18	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	18	1.86
(2,199)	1:150:A:VAL:HG21	1:150:A:VAL:HB	19	1.86
(2,199)	1:150:A:VAL:HG22	1:150:A:VAL:HB	19	1.86
(2,199)	1:150:A:VAL:HG23	1:150:A:VAL:HB	19	1.86
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	2	1.86
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	2	1.86
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	2	1.86
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	7	1.86
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	7	1.86
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	7	1.86
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	17	1.86
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	17	1.86
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	17	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	2	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	2	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	2	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	3	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	3	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	3	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	7	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	7	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	7	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	13	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	13	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	13	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	18	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	18	1.86
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	18	1.86
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	2	1.85
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	10	1.85
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	2	1.85
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	2	1.85
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	2	1.85
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	8	1.85
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	8	1.85
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	8	1.85
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	18	1.85
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	18	1.85
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	18	1.85
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	2	1.85
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	4	1.85
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	4	1.85
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	4	1.85
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	9	1.85
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	13	1.85
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	16	1.85
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	16	1.85
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	16	1.85
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	17	1.85
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	17	1.85
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	17	1.85
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	2	1.85
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	9	1.85
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	5	1.85
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	7	1.85
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	8	1.85
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	9	1.85
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	17	1.85
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	16	1.85
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	7	1.85
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	7	1.85
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	19	1.85
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	19	1.85
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	1	1.85
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	2	1.85
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	3	1.85
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	11	1.85
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	12	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	13	1.85
(2,2870)	1:29:A:LEU:HD21	1:29:A:LEU:HA	12	1.85
(2,2870)	1:29:A:LEU:HD22	1:29:A:LEU:HA	12	1.85
(2,2870)	1:29:A:LEU:HD23	1:29:A:LEU:HA	12	1.85
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	11	1.85
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	19	1.85
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	5	1.85
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	12	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	2	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	3	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	7	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	8	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	9	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	10	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	13	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	14	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	16	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	17	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	18	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	19	1.85
(2,2759)	1:21:A:ASP:HB2	1:21:A:ASP:HB3	20	1.85
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	4	1.85
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	17	1.85
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	17	1.85
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	17	1.85
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	17	1.85
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	17	1.85
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	17	1.85
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	17	1.85
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	17	1.85
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	17	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	2	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	2	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	2	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	4	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	4	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	4	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	5	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	5	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	5	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	8	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	8	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	8	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	9	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	9	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	9	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	11	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	11	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	11	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	12	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	12	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	12	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	13	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	13	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	13	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	14	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	14	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	14	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	16	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	16	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	16	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	17	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	17	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	17	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	18	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	18	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	18	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	19	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	19	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	19	1.85
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	20	1.85
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	20	1.85
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	20	1.85
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	12	1.85
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	12	1.85
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	12	1.85
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	6	1.85
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	17	1.85
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	3	1.85
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	4	1.85
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	6	1.85
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	14	1.85
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	15	1.85
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	16	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	18	1.85
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	4	1.85
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	4	1.85
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	4	1.85
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	4	1.85
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	4	1.85
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	4	1.85
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	4	1.85
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	4	1.85
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	4	1.85
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	12	1.85
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	12	1.85
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	12	1.85
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	12	1.85
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	12	1.85
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	12	1.85
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	12	1.85
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	12	1.85
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	12	1.85
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	13	1.85
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	13	1.85
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	13	1.85
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	13	1.85
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	13	1.85
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	13	1.85
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	13	1.85
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	13	1.85
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	13	1.85
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	2	1.85
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	4	1.85
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	9	1.85
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	9	1.85
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	9	1.85
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	12	1.85
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	12	1.85
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	12	1.85
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	6	1.85
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	6	1.85
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	6	1.85
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	10	1.85
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	10	1.85
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	10	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	12	1.85
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	12	1.85
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	12	1.85
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	15	1.85
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	15	1.85
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	15	1.85
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	19	1.85
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	19	1.85
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	19	1.85
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	20	1.85
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	20	1.85
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	20	1.85
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	5	1.85
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	5	1.85
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	5	1.85
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	3	1.85
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	3	1.85
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	3	1.85
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	3	1.85
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	3	1.85
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	3	1.85
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	3	1.85
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	3	1.85
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	3	1.85
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	6	1.85
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	6	1.85
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	6	1.85
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	6	1.85
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	6	1.85
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	6	1.85
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	6	1.85
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	6	1.85
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	6	1.85
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	13	1.85
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	13	1.85
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	13	1.85
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	13	1.85
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	13	1.85
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	13	1.85
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	13	1.85
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	13	1.85
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	13	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	20	1.85
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	20	1.85
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	20	1.85
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	18	1.85
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	18	1.85
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	18	1.85
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	5	1.85
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	5	1.85
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	5	1.85
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	3	1.85
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	3	1.85
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	3	1.85
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	16	1.85
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	16	1.85
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	16	1.85
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	17	1.85
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	17	1.85
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	17	1.85
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	2	1.85
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	11	1.85
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	13	1.85
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	17	1.85
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	19	1.85
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	20	1.85
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	20	1.85
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	20	1.85
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	4	1.85
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	4	1.85
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	4	1.85
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	15	1.85
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	16	1.85
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	3	1.85
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	5	1.85
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	7	1.85
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	13	1.85
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	15	1.85
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	19	1.85
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	19	1.85
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	17	1.85
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	8	1.85
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	20	1.85
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	5	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	5	1.85
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	5	1.85
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	2	1.85
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	3	1.85
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	5	1.85
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	6	1.85
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	8	1.85
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	9	1.85
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	10	1.85
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	12	1.85
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	13	1.85
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	14	1.85
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	15	1.85
(2,2061)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	19	1.85
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	7	1.85
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	18	1.85
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	1	1.85
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	1	1.85
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	1	1.85
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	19	1.85
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	19	1.85
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	19	1.85
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	1	1.85
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	1	1.85
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	1	1.85
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	4	1.85
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	4	1.85
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	4	1.85
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	7	1.85
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	7	1.85
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	7	1.85
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD21	3	1.85
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD22	3	1.85
(2,1936)	1:70:A:LEU:HG	1:70:A:LEU:HD23	3	1.85
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	10	1.85
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	3	1.85
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	3	1.85
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	6	1.85
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	9	1.85
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	14	1.85
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	2	1.85
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	4	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	7	1.85
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	9	1.85
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	12	1.85
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	13	1.85
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	15	1.85
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	18	1.85
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	12	1.85
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	3	1.85
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	3	1.85
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	12	1.85
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	12	1.85
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	12	1.85
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	9	1.85
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	16	1.85
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	13	1.85
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	1	1.85
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	2	1.85
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	8	1.85
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	9	1.85
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	18	1.85
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	1	1.85
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	2	1.85
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	5	1.85
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	10	1.85
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	19	1.85
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	10	1.85
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	10	1.85
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	10	1.85
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	18	1.85
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	4	1.85
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	4	1.85
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	4	1.85
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	3	1.85
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	4	1.85
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	4	1.85
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	4	1.85
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	5	1.85
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	5	1.85
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	5	1.85
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	14	1.85
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	14	1.85
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	14	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	16	1.85
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	16	1.85
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	16	1.85
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	17	1.85
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	17	1.85
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	17	1.85
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	19	1.85
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	19	1.85
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	19	1.85
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	2	1.85
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	10	1.85
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	11	1.85
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	19	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	2	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	2	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	2	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	6	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	6	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	6	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	12	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	12	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	12	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	14	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	14	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	14	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	15	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	15	1.85
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	15	1.85
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	13	1.85
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	16	1.85
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	19	1.85
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	15	1.85
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	15	1.85
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	15	1.85
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	15	1.85
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	15	1.85
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	15	1.85
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	15	1.85
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	15	1.85
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	15	1.85
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	18	1.85
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	18	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	3	1.85
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	3	1.85
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	3	1.85
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	3	1.85
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	3	1.85
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	3	1.85
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	3	1.85
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	3	1.85
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	3	1.85
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	6	1.85
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	6	1.85
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	6	1.85
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	6	1.85
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	6	1.85
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	6	1.85
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	6	1.85
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	6	1.85
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	6	1.85
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	2	1.85
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	9	1.85
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	9	1.85
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	9	1.85
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	10	1.85
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	10	1.85
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	10	1.85
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	11	1.85
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	11	1.85
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	11	1.85
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	13	1.85
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	13	1.85
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	13	1.85
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	16	1.85
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	16	1.85
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	16	1.85
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	4	1.85
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	11	1.85
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	1	1.85
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	1	1.85
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	1	1.85
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	3	1.85
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	3	1.85
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	3	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	5	1.85
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	5	1.85
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	5	1.85
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	6	1.85
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	6	1.85
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	6	1.85
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	7	1.85
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	7	1.85
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	7	1.85
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	9	1.85
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	9	1.85
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	9	1.85
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	10	1.85
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	10	1.85
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	10	1.85
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	13	1.85
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	13	1.85
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	13	1.85
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	9	1.85
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	9	1.85
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	9	1.85
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	2	1.85
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	2	1.85
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	2	1.85
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	10	1.85
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	10	1.85
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	10	1.85
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	17	1.85
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	17	1.85
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	17	1.85
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	18	1.85
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	18	1.85
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	18	1.85
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	4	1.85
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	5	1.85
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	11	1.85
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	18	1.85
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	18	1.85
(2,759)	1:82:A:TYR:HA	1:82:A:TYR:HB3	2	1.85
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	15	1.85
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	15	1.85
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	15	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	2	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	1	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	2	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	3	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	4	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	5	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	6	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	7	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	8	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	9	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	10	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	11	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	12	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	13	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	14	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	15	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	16	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	18	1.85
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	20	1.85
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	4	1.85
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	16	1.85
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	19	1.85
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	1	1.85
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	1	1.85
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	1	1.85
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	9	1.85
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	9	1.85
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	9	1.85
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	18	1.85
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	18	1.85
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	18	1.85
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	2	1.85
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	2	1.85
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	2	1.85
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	6	1.85
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	6	1.85
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	6	1.85
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	8	1.85
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	8	1.85
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	8	1.85
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	11	1.85
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	11	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	11	1.85
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	6	1.85
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG11	11	1.85
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG12	11	1.85
(2,592)	1:63:A:VAL:HA	1:63:A:VAL:HG13	11	1.85
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	1	1.85
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	2	1.85
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	5	1.85
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	10	1.85
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	19	1.85
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	18	1.85
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	4	1.85
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	9	1.85
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	6	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	1	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	1	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	1	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	2	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	2	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	2	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	3	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	3	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	3	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	5	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	5	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	5	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	6	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	6	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	6	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	7	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	7	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	7	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	8	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	8	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	8	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	9	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	9	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	9	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	10	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	10	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	10	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	11	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	11	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	11	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	12	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	12	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	12	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	13	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	13	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	13	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	15	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	15	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	15	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	16	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	16	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	16	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	19	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	19	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	19	1.85
(2,403)	1:101:A:ILE:HD11	1:101:A:ILE:HG13	20	1.85
(2,403)	1:101:A:ILE:HD12	1:101:A:ILE:HG13	20	1.85
(2,403)	1:101:A:ILE:HD13	1:101:A:ILE:HG13	20	1.85
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	1	1.85
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	1	1.85
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	1	1.85
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	7	1.85
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	7	1.85
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	7	1.85
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	14	1.85
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	9	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	5	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	5	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	5	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	10	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	10	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	10	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	14	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	14	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	14	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	15	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	15	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	15	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	16	1.85
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	16	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	16	1.85
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	3	1.85
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	3	1.85
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	3	1.85
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	12	1.85
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	12	1.85
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	12	1.85
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	20	1.85
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	20	1.85
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	20	1.85
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	15	1.85
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	15	1.85
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	15	1.85
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	4	1.85
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	16	1.85
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	18	1.85
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	5	1.85
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	11	1.85
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	13	1.85
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	14	1.85
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	16	1.85
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	19	1.85
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	20	1.85
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	7	1.84
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	7	1.84
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	3	1.84
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	3	1.84
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	3	1.84
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	5	1.84
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	5	1.84
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	5	1.84
(2,2958)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	13	1.84
(2,2958)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	13	1.84
(2,2958)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	13	1.84
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	1	1.84
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	5	1.84
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	7	1.84
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	10	1.84
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	12	1.84
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	15	1.84
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	16	1.84
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	15	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	20	1.84
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	1	1.84
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	3	1.84
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	4	1.84
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	10	1.84
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	12	1.84
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	13	1.84
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	15	1.84
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	16	1.84
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	18	1.84
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	19	1.84
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	5	1.84
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	8	1.84
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	8	1.84
(2,2895)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	18	1.84
(2,2895)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	18	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	4	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	5	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	6	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	7	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	8	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	9	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	10	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	14	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	15	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	16	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	17	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	18	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	19	1.84
(2,2875)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	20	1.84
(2,2870)	1:29:A:LEU:HD21	1:29:A:LEU:HA	7	1.84
(2,2870)	1:29:A:LEU:HD22	1:29:A:LEU:HA	7	1.84
(2,2870)	1:29:A:LEU:HD23	1:29:A:LEU:HA	7	1.84
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	2	1.84
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	9	1.84
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	14	1.84
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	16	1.84
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	16	1.84
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	16	1.84
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	11	1.84
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	11	1.84
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	11	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	13	1.84
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	13	1.84
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	13	1.84
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	18	1.84
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	8	1.84
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	8	1.84
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	8	1.84
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	11	1.84
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	11	1.84
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	11	1.84
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	13	1.84
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	13	1.84
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	13	1.84
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	7	1.84
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	1	1.84
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	1	1.84
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	1	1.84
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	3	1.84
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	3	1.84
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	3	1.84
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	6	1.84
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	6	1.84
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	6	1.84
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	7	1.84
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	7	1.84
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	7	1.84
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	10	1.84
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	10	1.84
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	10	1.84
(2,2617)	1:125:A:ILE:HD11	1:125:A:ILE:HG12	15	1.84
(2,2617)	1:125:A:ILE:HD12	1:125:A:ILE:HG12	15	1.84
(2,2617)	1:125:A:ILE:HD13	1:125:A:ILE:HG12	15	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	1	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	1	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	1	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	2	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	2	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	2	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	3	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	3	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	3	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	4	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	4	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	4	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	5	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	5	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	5	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	6	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	6	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	6	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	7	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	7	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	7	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	8	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	8	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	8	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	9	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	9	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	9	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	10	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	10	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	10	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	11	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	11	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	11	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	13	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	13	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	13	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	14	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	14	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	14	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	15	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	15	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	15	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	16	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	16	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	16	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	17	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	17	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	17	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	18	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	18	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	18	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	19	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	19	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	19	1.84
(2,2610)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	20	1.84
(2,2610)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	20	1.84
(2,2610)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	20	1.84
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	14	1.84
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	1	1.84
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	2	1.84
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	5	1.84
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	7	1.84
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	8	1.84
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	9	1.84
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	10	1.84
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	11	1.84
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	13	1.84
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	17	1.84
(2,2592)	1:83:A:PRO:HG3	1:83:A:PRO:HD3	19	1.84
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	11	1.84
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	11	1.84
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	11	1.84
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	13	1.84
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	13	1.84
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	13	1.84
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	17	1.84
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	13	1.84
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	19	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	1	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	1	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	1	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	2	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	2	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	2	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	3	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	3	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	3	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	4	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	4	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	4	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	5	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	5	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	5	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	6	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	6	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	6	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	7	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	7	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	7	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	8	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	8	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	8	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	10	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	10	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	10	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	13	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	13	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	13	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	14	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	14	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	14	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	16	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	16	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	16	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	17	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	17	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	17	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	18	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	18	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	18	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	19	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	19	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	19	1.84
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	20	1.84
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	20	1.84
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	20	1.84
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	16	1.84
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	16	1.84
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	16	1.84
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	2	1.84
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	9	1.84
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	14	1.84
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	16	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	9	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	9	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	9	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	9	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	9	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	9	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	9	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	9	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	9	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	14	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	14	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	14	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	14	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	14	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	14	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	14	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	14	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	14	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	15	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	15	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	15	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	15	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	15	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	15	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	15	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	15	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	15	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	18	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	18	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	18	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	18	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	18	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	18	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	18	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	18	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	18	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	19	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	19	1.84
(2,2420)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	19	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	19	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	19	1.84
(2,2420)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	19	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	19	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	19	1.84
(2,2420)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	19	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	16	1.84
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	14	1.84
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	8	1.84
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	8	1.84
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	8	1.84
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	12	1.84
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	12	1.84
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	12	1.84
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	15	1.84
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	15	1.84
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	15	1.84
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	14	1.84
(2,2325)	1:100:A:ILE:H	1:100:A:ILE:HA	20	1.84
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	4	1.84
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	4	1.84
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	4	1.84
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	7	1.84
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	7	1.84
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	7	1.84
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	14	1.84
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	14	1.84
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	14	1.84
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	15	1.84
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	15	1.84
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	15	1.84
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	19	1.84
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	19	1.84
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	19	1.84
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	5	1.84
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	11	1.84
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	11	1.84
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	11	1.84
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	11	1.84
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	11	1.84
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	11	1.84
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	11	1.84
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	11	1.84
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	11	1.84
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	13	1.84
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	13	1.84
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	13	1.84
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	13	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	13	1.84
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	13	1.84
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	13	1.84
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	13	1.84
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	13	1.84
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	17	1.84
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	17	1.84
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	17	1.84
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	17	1.84
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	17	1.84
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	17	1.84
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	17	1.84
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	17	1.84
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	17	1.84
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	11	1.84
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	9	1.84
(2,2145)	1:114:A:TYR:HB2	1:114:A:TYR:H	12	1.84
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	16	1.84
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	2	1.84
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	2	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	1	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	2	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	3	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	4	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	5	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	6	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	7	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	9	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	11	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	12	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	13	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	14	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	15	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	16	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	17	1.84
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	18	1.84
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	18	1.84
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	18	1.84
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	18	1.84
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	20	1.84
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	20	1.84
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	20	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	3	1.84
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	8	1.84
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	14	1.84
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	15	1.84
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	13	1.84
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	7	1.84
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	7	1.84
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	7	1.84
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	18	1.84
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	18	1.84
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	18	1.84
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	8	1.84
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	8	1.84
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	8	1.84
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	11	1.84
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	11	1.84
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	11	1.84
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	20	1.84
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	20	1.84
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	20	1.84
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	13	1.84
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	13	1.84
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	13	1.84
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	13	1.84
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	13	1.84
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	13	1.84
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	2	1.84
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	2	1.84
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	2	1.84
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	8	1.84
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	8	1.84
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	8	1.84
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	17	1.84
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	17	1.84
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	17	1.84
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	15	1.84
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	11	1.84
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	11	1.84
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	12	1.84
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	12	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	1	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	2	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	3	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	4	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	5	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	7	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	8	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	10	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	11	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	12	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	13	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	15	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	16	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	17	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	18	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	19	1.84
(2,1845)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	20	1.84
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	1	1.84
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	3	1.84
(2,1829)	1:123:A:TYR:HB3	1:123:A:TYR:HA	6	1.84
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	1	1.84
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	2	1.84
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	3	1.84
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	5	1.84
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	10	1.84
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	11	1.84
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	15	1.84
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	16	1.84
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	17	1.84
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	19	1.84
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	20	1.84
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	11	1.84
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	11	1.84
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	11	1.84
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	11	1.84
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	11	1.84
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	1	1.84
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	1	1.84
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	1	1.84
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	7	1.84
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	7	1.84
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	7	1.84
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	8	1.84
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	8	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	8	1.84
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	12	1.84
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	12	1.84
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	12	1.84
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	17	1.84
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	17	1.84
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	17	1.84
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	19	1.84
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	19	1.84
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	19	1.84
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	6	1.84
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	8	1.84
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	15	1.84
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	18	1.84
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	3	1.84
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	3	1.84
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	3	1.84
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	10	1.84
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	10	1.84
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	10	1.84
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	13	1.84
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	13	1.84
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	13	1.84
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	18	1.84
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	18	1.84
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	18	1.84
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	3	1.84
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	3	1.84
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	3	1.84
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	10	1.84
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	10	1.84
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	10	1.84
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	13	1.84
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	13	1.84
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	13	1.84
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	9	1.84
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	12	1.84
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	16	1.84
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	20	1.84
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	9	1.84
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	1	1.84
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	1	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	1	1.84
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	3	1.84
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	3	1.84
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	3	1.84
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	13	1.84
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	13	1.84
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	13	1.84
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	18	1.84
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	18	1.84
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	18	1.84
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	5	1.84
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	8	1.84
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	14	1.84
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	16	1.84
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	20	1.84
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	16	1.84
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	16	1.84
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	16	1.84
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	17	1.84
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	17	1.84
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	17	1.84
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	18	1.84
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	18	1.84
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	18	1.84
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	20	1.84
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	20	1.84
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	20	1.84
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	18	1.84
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	18	1.84
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	18	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	1	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	2	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	3	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	4	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	5	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	7	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	8	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	9	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	10	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	11	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	12	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	13	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	14	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	15	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	17	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	18	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	19	1.84
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	20	1.84
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	3	1.84
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	11	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	9	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	9	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	9	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	9	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	9	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	9	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	9	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	9	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	9	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	14	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	14	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	14	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	14	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	14	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	14	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	14	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	14	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	14	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	15	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	15	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	15	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	15	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	15	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	15	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	15	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	15	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	15	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	18	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	18	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	18	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	18	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	18	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	18	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	18	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	18	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	18	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG21	19	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG22	19	1.84
(2,1137)	1:24:A:ILE:HD11	1:24:A:ILE:HG23	19	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG21	19	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG22	19	1.84
(2,1137)	1:24:A:ILE:HD12	1:24:A:ILE:HG23	19	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG21	19	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG22	19	1.84
(2,1137)	1:24:A:ILE:HD13	1:24:A:ILE:HG23	19	1.84
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	3	1.84
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	8	1.84
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	8	1.84
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	8	1.84
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	11	1.84
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	11	1.84
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	11	1.84
(2,1009)	1:125:A:ILE:HD11	1:125:A:ILE:HA	12	1.84
(2,1009)	1:125:A:ILE:HD12	1:125:A:ILE:HA	12	1.84
(2,1009)	1:125:A:ILE:HD13	1:125:A:ILE:HA	12	1.84
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	1	1.84
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	1	1.84
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	1	1.84
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	7	1.84
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	7	1.84
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	7	1.84
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	8	1.84
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	8	1.84
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	8	1.84
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	12	1.84
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	12	1.84
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	12	1.84
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	16	1.84
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	16	1.84
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	16	1.84
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	18	1.84
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	18	1.84
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	18	1.84
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	5	1.84
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	1	1.84
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	1	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	1	1.84
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	20	1.84
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	20	1.84
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	20	1.84
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	3	1.84
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	6	1.84
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	7	1.84
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	11	1.84
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	12	1.84
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	14	1.84
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	11	1.84
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	2	1.84
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	2	1.84
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	2	1.84
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	4	1.84
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	4	1.84
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	4	1.84
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	11	1.84
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	11	1.84
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	11	1.84
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	12	1.84
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	12	1.84
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	12	1.84
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	18	1.84
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	18	1.84
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	18	1.84
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	1	1.84
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	1	1.84
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	1	1.84
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	5	1.84
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	5	1.84
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	5	1.84
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	1	1.84
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	4	1.84
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	5	1.84
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	13	1.84
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	17	1.84
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	18	1.84
(2,688)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	17	1.84
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	6	1.84
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	8	1.84
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	12	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	15	1.84
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	16	1.84
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	16	1.84
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	16	1.84
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	5	1.84
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	5	1.84
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	5	1.84
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	7	1.84
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	7	1.84
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	7	1.84
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	13	1.84
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	13	1.84
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	13	1.84
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	6	1.84
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	7	1.84
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	8	1.84
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	15	1.84
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	18	1.84
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	1	1.84
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	1	1.84
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	1	1.84
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	15	1.84
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	15	1.84
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	15	1.84
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	14	1.84
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	20	1.84
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	3	1.84
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	4	1.84
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	8	1.84
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	14	1.84
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	17	1.84
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	19	1.84
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	6	1.84
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	6	1.84
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	6	1.84
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	20	1.84
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	9	1.84
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	9	1.84
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	9	1.84
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD11	13	1.84
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD12	13	1.84
(2,214)	1:153:A:LEU:HG	1:153:A:LEU:HD13	13	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	9	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	9	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	9	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	11	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	11	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	11	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	12	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	12	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	12	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	13	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	13	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	13	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	19	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	19	1.84
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	19	1.84
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	4	1.84
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	4	1.84
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	4	1.84
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	16	1.84
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	16	1.84
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	16	1.84
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	19	1.84
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	19	1.84
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	19	1.84
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	20	1.84
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	20	1.84
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	20	1.84
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	17	1.84
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	17	1.84
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	17	1.84
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	19	1.84
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	19	1.84
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	19	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	1	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	2	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	3	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	4	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	5	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	6	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	7	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	8	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	9	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	10	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	12	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	15	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	17	1.84
(2,18)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	18	1.84
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	14	1.83
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	17	1.83
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	2	1.83
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	7	1.83
(2,3170)	1:153:A:LEU:HD11	1:153:A:LEU:H	20	1.83
(2,3170)	1:153:A:LEU:HD12	1:153:A:LEU:H	20	1.83
(2,3170)	1:153:A:LEU:HD13	1:153:A:LEU:H	20	1.83
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	14	1.83
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	14	1.83
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	14	1.83
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	14	1.83
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	20	1.83
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	20	1.83
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	20	1.83
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	18	1.83
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	17	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	2	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	3	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	4	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	6	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	8	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	9	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	11	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	13	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	14	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	17	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	18	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	19	1.83
(2,2949)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	20	1.83
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	8	1.83
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	17	1.83
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	18	1.83
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	19	1.83
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	6	1.83
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	11	1.83
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	14	1.83
(2,2904)	1:142:A:CYS:HB3	1:142:A:CYS:HA	20	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	1	1.83
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	2	1.83
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	5	1.83
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	7	1.83
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	11	1.83
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	13	1.83
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	18	1.83
(2,2882)	1:84:A:ILE:HD11	1:84:A:ILE:HA	2	1.83
(2,2882)	1:84:A:ILE:HD12	1:84:A:ILE:HA	2	1.83
(2,2882)	1:84:A:ILE:HD13	1:84:A:ILE:HA	2	1.83
(2,2870)	1:29:A:LEU:HD21	1:29:A:LEU:HA	4	1.83
(2,2870)	1:29:A:LEU:HD22	1:29:A:LEU:HA	4	1.83
(2,2870)	1:29:A:LEU:HD23	1:29:A:LEU:HA	4	1.83
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	4	1.83
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	8	1.83
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	12	1.83
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	15	1.83
(2,2821)	1:156:A:ILE:HG21	1:156:A:ILE:HA	3	1.83
(2,2821)	1:156:A:ILE:HG22	1:156:A:ILE:HA	3	1.83
(2,2821)	1:156:A:ILE:HG23	1:156:A:ILE:HA	3	1.83
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	13	1.83
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	2	1.83
(2,2778)	1:134:A:ILE:HG12	1:134:A:ILE:H	6	1.83
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	11	1.83
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	11	1.83
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	11	1.83
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	12	1.83
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	12	1.83
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	12	1.83
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	3	1.83
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	5	1.83
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	10	1.83
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	2	1.83
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	2	1.83
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	2	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	1	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	1	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	1	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	2	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	2	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	2	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	3	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	3	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	3	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	4	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	4	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	4	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	5	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	5	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	5	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	6	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	6	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	6	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	7	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	7	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	7	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	8	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	8	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	8	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	9	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	9	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	9	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	10	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	10	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	10	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	11	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	11	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	11	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	12	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	12	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	12	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	13	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	13	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	13	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	14	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	14	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	14	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	15	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	15	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	15	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	16	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	16	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	16	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	17	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	17	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	17	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	18	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	18	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	18	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	19	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	19	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	19	1.83
(2,2686)	1:156:A:ILE:HD11	1:156:A:ILE:HG13	20	1.83
(2,2686)	1:156:A:ILE:HD12	1:156:A:ILE:HG13	20	1.83
(2,2686)	1:156:A:ILE:HD13	1:156:A:ILE:HG13	20	1.83
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	8	1.83
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	8	1.83
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	8	1.83
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	9	1.83
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	9	1.83
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	9	1.83
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	6	1.83
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	5	1.83
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	16	1.83
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	17	1.83
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	17	1.83
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	17	1.83
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	17	1.83
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	17	1.83
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	17	1.83
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	17	1.83
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	17	1.83
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	17	1.83
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	19	1.83
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	9	1.83
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	2	1.83
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	9	1.83
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	12	1.83
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	18	1.83
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	15	1.83
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	15	1.83
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	15	1.83
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	20	1.83
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	20	1.83
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	20	1.83
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	20	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	1	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	3	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	4	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	5	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	6	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	7	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	8	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	10	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	11	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	12	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	13	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	15	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	17	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	18	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	19	1.83
(2,2437)	1:64:A:SER:HB2	1:64:A:SER:HB3	20	1.83
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	14	1.83
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG21	3	1.83
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG22	3	1.83
(2,2334)	1:135:A:GLY:H	1:134:A:ILE:HG23	3	1.83
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	7	1.83
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	7	1.83
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	7	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	1	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	1	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	1	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	2	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	2	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	2	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	3	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	3	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	3	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	5	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	5	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	5	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	6	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	6	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	6	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	8	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	8	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	8	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	9	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	9	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	10	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	10	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	10	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	11	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	11	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	11	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	12	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	12	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	12	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	13	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	13	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	13	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	16	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	16	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	16	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	17	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	17	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	17	1.83
(2,2247)	1:51:A:LEU:HD11	1:51:A:LEU:HG	18	1.83
(2,2247)	1:51:A:LEU:HD12	1:51:A:LEU:HG	18	1.83
(2,2247)	1:51:A:LEU:HD13	1:51:A:LEU:HG	18	1.83
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	5	1.83
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	5	1.83
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	5	1.83
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	6	1.83
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	6	1.83
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	6	1.83
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	3	1.83
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	3	1.83
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	3	1.83
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	3	1.83
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	3	1.83
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	3	1.83
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	3	1.83
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	3	1.83
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	3	1.83
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	9	1.83
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	9	1.83
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	9	1.83
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	9	1.83
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	9	1.83
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	9	1.83
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	9	1.83
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	9	1.83
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	1	1.83
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	4	1.83
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	19	1.83
(2,2132)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	10	1.83
(2,2132)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	10	1.83
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	15	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	2	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	2	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	2	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	9	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	9	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	9	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	14	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	14	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	14	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	15	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	15	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	15	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	20	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	20	1.83
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	20	1.83
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	10	1.83
(2,2088)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	19	1.83
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	2	1.83
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	5	1.83
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	13	1.83
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	17	1.83
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	14	1.83
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	14	1.83
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	14	1.83
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	15	1.83
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	15	1.83
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	15	1.83
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	10	1.83
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	10	1.83
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	10	1.83
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	15	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	15	1.83
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	15	1.83
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	16	1.83
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	16	1.83
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	16	1.83
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	17	1.83
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	17	1.83
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	17	1.83
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	18	1.83
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	18	1.83
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	18	1.83
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	2	1.83
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	2	1.83
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	2	1.83
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	2	1.83
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	2	1.83
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	2	1.83
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	12	1.83
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	12	1.83
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	12	1.83
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	12	1.83
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	12	1.83
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	12	1.83
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	18	1.83
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	18	1.83
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	18	1.83
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	18	1.83
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	18	1.83
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	18	1.83
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	11	1.83
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	11	1.83
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	11	1.83
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	16	1.83
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	16	1.83
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	16	1.83
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	2	1.83
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	12	1.83
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	4	1.83
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	7	1.83
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	9	1.83
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	13	1.83
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	14	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	18	1.83
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	1	1.83
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	6	1.83
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	15	1.83
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	15	1.83
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	15	1.83
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	6	1.83
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	15	1.83
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	6	1.83
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	6	1.83
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	6	1.83
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	20	1.83
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	20	1.83
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	20	1.83
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	3	1.83
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	4	1.83
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	7	1.83
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	12	1.83
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	14	1.83
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	16	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	1	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	1	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	1	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	2	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	2	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	2	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	4	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	4	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	4	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	5	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	5	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	5	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	6	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	6	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	6	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	7	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	7	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	7	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	8	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	8	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	8	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	9	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	9	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	11	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	11	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	11	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	12	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	12	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	12	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	14	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	14	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	14	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	15	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	15	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	15	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	16	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	16	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	16	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	17	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	17	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	17	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	19	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	19	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	19	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	20	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	20	1.83
(2,1562)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	20	1.83
(2,1528)	1:165:A:ILE:HG21	1:165:A:ILE:HA	16	1.83
(2,1528)	1:165:A:ILE:HG22	1:165:A:ILE:HA	16	1.83
(2,1528)	1:165:A:ILE:HG23	1:165:A:ILE:HA	16	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	2	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	2	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	2	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	12	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	12	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	12	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	14	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	14	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	14	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	16	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	16	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	16	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	20	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	20	1.83
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	20	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	1	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	2	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	3	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	4	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	5	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	6	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	7	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	8	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	10	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	11	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	13	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	14	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	15	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	17	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	18	1.83
(2,1455)	1:83:A:PRO:HG3	1:83:A:PRO:HB3	19	1.83
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	4	1.83
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	5	1.83
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	10	1.83
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	11	1.83
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	12	1.83
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	14	1.83
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	16	1.83
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	17	1.83
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	19	1.83
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	11	1.83
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	6	1.83
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	6	1.83
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	6	1.83
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	8	1.83
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	8	1.83
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	8	1.83
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	10	1.83
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	10	1.83
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	10	1.83
(2,1361)	1:123:A:TYR:HB2	1:123:A:TYR:HA	17	1.83
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	3	1.83
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	3	1.83
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	3	1.83
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	5	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	5	1.83
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	5	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	1	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	1	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	1	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	3	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	3	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	3	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	4	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	4	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	4	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	5	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	5	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	5	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	6	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	6	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	6	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	7	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	7	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	7	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	8	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	8	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	8	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	9	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	9	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	9	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	11	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	11	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	11	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	12	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	12	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	12	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	13	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	13	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	13	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	14	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	14	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	14	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	15	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	15	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	15	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	16	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	16	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	16	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	17	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	17	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	17	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	18	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	18	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	18	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	19	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	19	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	19	1.83
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	20	1.83
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	20	1.83
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	20	1.83
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	1	1.83
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	1	1.83
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	1	1.83
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	3	1.83
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	3	1.83
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	3	1.83
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	13	1.83
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	13	1.83
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	13	1.83
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	15	1.83
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	15	1.83
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	15	1.83
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	6	1.83
(2,1244)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	16	1.83
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	15	1.83
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	5	1.83
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	8	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	2	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	2	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	2	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	2	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	2	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	2	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	2	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	2	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	2	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	3	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	3	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	3	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	3	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	3	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	3	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	3	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	3	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	3	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	5	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	5	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	5	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	5	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	5	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	5	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	5	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	5	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	5	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	17	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	17	1.83
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	17	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	17	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	17	1.83
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	17	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	17	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	17	1.83
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	17	1.83
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	9	1.83
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	9	1.83
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	15	1.83
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	10	1.83
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	10	1.83
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	10	1.83
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	5	1.83
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	18	1.83
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	12	1.83
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	12	1.83
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	12	1.83
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	17	1.83
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	17	1.83
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	17	1.83
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	18	1.83
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	11	1.83
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	10	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1018)	1:69:A:THR:HG21	1:69:A:THR:HA	14	1.83
(2,1018)	1:69:A:THR:HG22	1:69:A:THR:HA	14	1.83
(2,1018)	1:69:A:THR:HG23	1:69:A:THR:HA	14	1.83
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	11	1.83
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	16	1.83
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	4	1.83
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	4	1.83
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	4	1.83
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	6	1.83
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	6	1.83
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	6	1.83
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	19	1.83
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	19	1.83
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	19	1.83
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	20	1.83
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	20	1.83
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	20	1.83
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	15	1.83
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	7	1.83
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	7	1.83
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	7	1.83
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	12	1.83
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	12	1.83
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	12	1.83
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	8	1.83
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	9	1.83
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	15	1.83
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	17	1.83
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	20	1.83
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	15	1.83
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	18	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	1	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	1	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	1	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	3	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	3	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	3	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	5	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	5	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	5	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	6	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	6	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	7	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	7	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	7	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	8	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	8	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	8	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	9	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	9	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	9	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	10	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	10	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	10	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	13	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	13	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	13	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	14	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	14	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	14	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	15	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	15	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	15	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	16	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	16	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	16	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	17	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	17	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	17	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	19	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	19	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	19	1.83
(2,728)	1:18:A:ILE:HG21	1:18:A:ILE:HB	20	1.83
(2,728)	1:18:A:ILE:HG22	1:18:A:ILE:HB	20	1.83
(2,728)	1:18:A:ILE:HG23	1:18:A:ILE:HB	20	1.83
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	2	1.83
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	2	1.83
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	2	1.83
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	3	1.83
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	5	1.83
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	9	1.83
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	10	1.83
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	11	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	14	1.83
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	17	1.83
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	17	1.83
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	17	1.83
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	16	1.83
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	16	1.83
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	16	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	3	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	3	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	3	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	4	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	4	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	4	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	12	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	12	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	12	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	15	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	15	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	15	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	17	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	17	1.83
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	17	1.83
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	3	1.83
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	4	1.83
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	12	1.83
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	14	1.83
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	16	1.83
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	7	1.83
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	7	1.83
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	7	1.83
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	17	1.83
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	17	1.83
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	17	1.83
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	15	1.83
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	15	1.83
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	15	1.83
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	1	1.83
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	2	1.83
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	6	1.83
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	7	1.83
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	9	1.83
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	10	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	12	1.83
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	13	1.83
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	15	1.83
(2,327)	1:124:A:GLY:HA2	1:124:A:GLY:H	18	1.83
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	2	1.83
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	2	1.83
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	2	1.83
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	1	1.83
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	2	1.83
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	11	1.83
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	18	1.83
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	6	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	5	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	5	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	5	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	7	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	7	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	7	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	10	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	10	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	10	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	14	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	14	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	14	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	17	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	17	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	17	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	18	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	18	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	18	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	20	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	20	1.83
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	20	1.83
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	7	1.83
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	7	1.83
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	7	1.83
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	8	1.83
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	8	1.83
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	8	1.83
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	11	1.83
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	11	1.83
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	11	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	14	1.83
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	14	1.83
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	14	1.83
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	18	1.83
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	18	1.83
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	18	1.83
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	5	1.83
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	5	1.83
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	5	1.83
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	11	1.83
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	11	1.83
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	11	1.83
(2,121)	1:78:A:VAL:HG11	1:79:A:MET:H	13	1.83
(2,121)	1:78:A:VAL:HG12	1:79:A:MET:H	13	1.83
(2,121)	1:78:A:VAL:HG13	1:79:A:MET:H	13	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	1	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	1	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	1	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	2	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	2	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	2	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	3	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	3	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	3	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	4	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	4	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	4	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	5	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	5	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	5	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	6	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	6	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	6	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	7	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	7	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	7	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	8	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	8	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	8	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	9	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	9	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	9	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	10	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	10	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	10	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	11	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	11	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	11	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	12	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	12	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	12	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	13	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	13	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	13	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	14	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	14	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	14	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	15	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	15	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	15	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	16	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	16	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	16	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	17	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	17	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	17	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	18	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	18	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	18	1.83
(2,92)	1:143:A:ILE:HD11	1:143:A:ILE:HG12	19	1.83
(2,92)	1:143:A:ILE:HD12	1:143:A:ILE:HG12	19	1.83
(2,92)	1:143:A:ILE:HD13	1:143:A:ILE:HG12	19	1.83
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	19	1.83
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	6	1.82
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	2	1.82
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	8	1.82
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	11	1.82
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	16	1.82
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	18	1.82
(2,3146)	1:120:A:LYS:HB2	1:120:A:LYS:H	8	1.82
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	10	1.82
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	10	1.82
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	10	1.82
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	18	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	18	1.82
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	18	1.82
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	16	1.82
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	1	1.82
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	6	1.82
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	7	1.82
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	10	1.82
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	12	1.82
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	3	1.82
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	4	1.82
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	8	1.82
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	9	1.82
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	10	1.82
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	14	1.82
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	15	1.82
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	16	1.82
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	19	1.82
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	6	1.82
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	18	1.82
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	11	1.82
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	11	1.82
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	11	1.82
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	4	1.82
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	4	1.82
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	4	1.82
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	9	1.82
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	9	1.82
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	9	1.82
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	20	1.82
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	20	1.82
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	20	1.82
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	16	1.82
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	16	1.82
(2,2682)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	16	1.82
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	14	1.82
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	3	1.82
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	16	1.82
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	16	1.82
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	16	1.82
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	17	1.82
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	17	1.82
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	17	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	3	1.82
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	9	1.82
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	10	1.82
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	12	1.82
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	14	1.82
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	5	1.82
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	5	1.82
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	5	1.82
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	6	1.82
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	6	1.82
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	6	1.82
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	14	1.82
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	14	1.82
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	14	1.82
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	20	1.82
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	20	1.82
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	20	1.82
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	10	1.82
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	2	1.82
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	7	1.82
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	14	1.82
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	17	1.82
(2,2502)	1:18:A:ILE:HG21	1:18:A:ILE:HG13	11	1.82
(2,2502)	1:18:A:ILE:HG22	1:18:A:ILE:HG13	11	1.82
(2,2502)	1:18:A:ILE:HG23	1:18:A:ILE:HG13	11	1.82
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	5	1.82
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	20	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	1	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	3	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	4	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	5	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	6	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	8	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	9	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	10	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	11	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	12	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	13	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	14	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	15	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	16	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	17	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	18	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	19	1.82
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	20	1.82
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	9	1.82
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	9	1.82
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	9	1.82
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	4	1.82
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	4	1.82
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	4	1.82
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	17	1.82
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	17	1.82
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	17	1.82
(2,2364)	1:80:A:LYS:HB3	1:81:A:THR:H	14	1.82
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	12	1.82
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	2	1.82
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	2	1.82
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	2	1.82
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	4	1.82
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	4	1.82
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	4	1.82
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	9	1.82
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	9	1.82
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	9	1.82
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	11	1.82
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	19	1.82
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	5	1.82
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	12	1.82
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	15	1.82
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	17	1.82
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	11	1.82
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	11	1.82
(2,2100)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	11	1.82
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	12	1.82
(2,2032)	1:156:A:ILE:HG21	1:157:A:VAL:H	20	1.82
(2,2032)	1:156:A:ILE:HG22	1:157:A:VAL:H	20	1.82
(2,2032)	1:156:A:ILE:HG23	1:157:A:VAL:H	20	1.82
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	5	1.82
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	5	1.82
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	5	1.82
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	6	1.82
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	6	1.82
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	6	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	6	1.82
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	6	1.82
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	6	1.82
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	8	1.82
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	8	1.82
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	8	1.82
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	8	1.82
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	8	1.82
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	8	1.82
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	14	1.82
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	14	1.82
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	14	1.82
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	14	1.82
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	14	1.82
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	14	1.82
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	15	1.82
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	15	1.82
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	15	1.82
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	15	1.82
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	15	1.82
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	15	1.82
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	17	1.82
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	17	1.82
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	17	1.82
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	4	1.82
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	8	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	3	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	3	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	3	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	6	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	6	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	6	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	10	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	10	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	10	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	12	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	12	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	12	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	13	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	13	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	13	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	18	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	18	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	18	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	19	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	19	1.82
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	19	1.82
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	7	1.82
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	8	1.82
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	12	1.82
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	17	1.82
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	4	1.82
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	4	1.82
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	20	1.82
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	20	1.82
(2,1759)	1:116:A:LEU:HA	1:117:A:SER:H	8	1.82
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	5	1.82
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	20	1.82
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	20	1.82
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	11	1.82
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	18	1.82
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	19	1.82
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	2	1.82
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	2	1.82
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	2	1.82
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	4	1.82
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	4	1.82
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	4	1.82
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	15	1.82
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	15	1.82
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	15	1.82
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	16	1.82
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	16	1.82
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	16	1.82
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	18	1.82
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	18	1.82
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	18	1.82
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	11	1.82
(2,1578)	1:57:A:ILE:HG13	1:57:A:ILE:HB	20	1.82
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	5	1.82
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	5	1.82
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	5	1.82
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	6	1.82
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	6	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	6	1.82
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	2	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	5	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	5	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	5	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	8	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	8	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	8	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	9	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	9	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	9	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	11	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	11	1.82
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	11	1.82
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	3	1.82
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	7	1.82
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	8	1.82
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	15	1.82
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	20	1.82
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	2	1.82
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	2	1.82
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	2	1.82
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	7	1.82
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	7	1.82
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	7	1.82
(2,1387)	1:89:A:ILE:HD11	1:89:A:ILE:HB	11	1.82
(2,1387)	1:89:A:ILE:HD12	1:89:A:ILE:HB	11	1.82
(2,1387)	1:89:A:ILE:HD13	1:89:A:ILE:HB	11	1.82
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	11	1.82
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	11	1.82
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	11	1.82
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG11	13	1.82
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG12	13	1.82
(2,1353)	1:63:A:VAL:HA	1:63:A:VAL:HG13	13	1.82
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	2	1.82
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	2	1.82
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	2	1.82
(2,1350)	1:5:A:LEU:HD21	1:5:A:LEU:HG	10	1.82
(2,1350)	1:5:A:LEU:HD22	1:5:A:LEU:HG	10	1.82
(2,1350)	1:5:A:LEU:HD23	1:5:A:LEU:HG	10	1.82
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	12	1.82
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	12	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	12	1.82
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	20	1.82
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	20	1.82
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	20	1.82
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	12	1.82
(2,1200)	1:165:A:ILE:H	1:165:A:ILE:HB	1	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	1	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	2	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	3	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	4	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	5	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	6	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	7	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	8	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	9	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	10	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	11	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	12	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	13	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	14	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	15	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	16	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	17	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	18	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	19	1.82
(2,1199)	1:115:A:TRP:HB2	1:115:A:TRP:HB3	20	1.82
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	1	1.82
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	2	1.82
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	5	1.82
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	7	1.82
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	11	1.82
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	1	1.82
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	1	1.82
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	1	1.82
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	1	1.82
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	1	1.82
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	1	1.82
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	1	1.82
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	1	1.82
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	1	1.82
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	7	1.82
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	7	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	7	1.82
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	7	1.82
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	7	1.82
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	7	1.82
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	7	1.82
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	7	1.82
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	7	1.82
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	19	1.82
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	19	1.82
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	2	1.82
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	5	1.82
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	10	1.82
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	13	1.82
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	18	1.82
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	18	1.82
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	18	1.82
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	8	1.82
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	17	1.82
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	20	1.82
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	6	1.82
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	6	1.82
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	6	1.82
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	10	1.82
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	10	1.82
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	10	1.82
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	1	1.82
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	2	1.82
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	3	1.82
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	5	1.82
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	6	1.82
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	7	1.82
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	8	1.82
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	9	1.82
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	14	1.82
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	15	1.82
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	18	1.82
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	2	1.82
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	2	1.82
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	2	1.82
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	3	1.82
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	12	1.82
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	15	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	17	1.82
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	13	1.82
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	13	1.82
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	13	1.82
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	20	1.82
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	5	1.82
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	5	1.82
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	5	1.82
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	14	1.82
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	14	1.82
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	14	1.82
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	4	1.82
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	4	1.82
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	4	1.82
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	8	1.82
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	8	1.82
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	8	1.82
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	11	1.82
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	11	1.82
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	11	1.82
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	8	1.82
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	1	1.82
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	16	1.82
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	19	1.82
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	6	1.82
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	9	1.82
(2,884)	1:7:A:TYR:HB3	1:7:A:TYR:H	14	1.82
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	17	1.82
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	20	1.82
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	15	1.82
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	3	1.82
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	3	1.82
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	6	1.82
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	8	1.82
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	9	1.82
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	10	1.82
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	12	1.82
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	15	1.82
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	16	1.82
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	19	1.82
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	1	1.82
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	2	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	7	1.82
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	13	1.82
(2,685)	1:114:A:TYR:HB3	1:114:A:TYR:HA	18	1.82
(2,648)	1:80:A:LYS:HE2	1:80:A:LYS:HA	13	1.82
(2,624)	1:156:A:ILE:HG21	1:156:A:ILE:HA	3	1.82
(2,624)	1:156:A:ILE:HG22	1:156:A:ILE:HA	3	1.82
(2,624)	1:156:A:ILE:HG23	1:156:A:ILE:HA	3	1.82
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	19	1.82
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	19	1.82
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	19	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	1	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	1	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	1	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	2	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	2	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	2	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	3	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	3	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	3	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	4	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	4	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	4	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	5	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	5	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	5	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	6	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	6	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	6	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	7	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	7	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	7	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	8	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	8	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	8	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	9	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	9	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	9	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	10	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	10	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	10	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	11	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	11	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	11	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	12	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	12	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	12	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	13	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	13	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	13	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	14	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	14	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	14	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	15	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	15	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	15	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	16	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	16	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	16	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	17	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	17	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	17	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	18	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	18	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	18	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	19	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	19	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	19	1.82
(2,589)	1:69:A:THR:HG21	1:69:A:THR:HB	20	1.82
(2,589)	1:69:A:THR:HG22	1:69:A:THR:HB	20	1.82
(2,589)	1:69:A:THR:HG23	1:69:A:THR:HB	20	1.82
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	3	1.82
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	11	1.82
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	19	1.82
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	11	1.82
(2,545)	1:57:A:ILE:HG13	1:57:A:ILE:HB	20	1.82
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	10	1.82
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	10	1.82
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	10	1.82
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD11	17	1.82
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD12	17	1.82
(2,491)	1:161:A:THR:HA	1:57:A:ILE:HD13	17	1.82
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	1	1.82
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	2	1.82
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	3	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	5	1.82
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	8	1.82
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	17	1.82
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	4	1.82
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	5	1.82
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	12	1.82
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	13	1.82
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	15	1.82
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	17	1.82
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	19	1.82
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	11	1.82
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	11	1.82
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	11	1.82
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	10	1.82
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	10	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	1	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	1	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	1	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	2	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	2	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	2	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	3	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	3	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	3	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	4	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	4	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	4	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	6	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	6	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	6	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	8	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	8	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	8	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	15	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	15	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	15	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD11	16	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD12	16	1.82
(2,206)	1:24:A:ILE:HB	1:24:A:ILE:HD13	16	1.82
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	2	1.82
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	2	1.82
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	2	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	5	1.82
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	5	1.82
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	5	1.82
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	6	1.82
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	6	1.82
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	6	1.82
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	9	1.82
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	9	1.82
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	9	1.82
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	10	1.82
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	10	1.82
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	10	1.82
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	12	1.82
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	12	1.82
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	12	1.82
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	13	1.82
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	13	1.82
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	13	1.82
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	15	1.82
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	15	1.82
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	15	1.82
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	16	1.82
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	16	1.82
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	16	1.82
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	20	1.82
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	20	1.82
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	20	1.82
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	20	1.82
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	11	1.82
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	1	1.81
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	3	1.81
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	4	1.81
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	9	1.81
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	13	1.81
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	15	1.81
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	18	1.81
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	20	1.81
(4,767)	1:140:A:LYS:HD3	1:141:A:GLY:H	15	1.81
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	3	1.81
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	4	1.81
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	6	1.81
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	19	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	5	1.81
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	1	1.81
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	1	1.81
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	15	1.81
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	15	1.81
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	11	1.81
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	13	1.81
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	13	1.81
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	13	1.81
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	13	1.81
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	13	1.81
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	13	1.81
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	13	1.81
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	13	1.81
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	13	1.81
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	4	1.81
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	20	1.81
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	2	1.81
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	3	1.81
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	14	1.81
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	11	1.81
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	13	1.81
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	18	1.81
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	20	1.81
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	6	1.81
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	12	1.81
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	17	1.81
(2,2883)	1:114:A:TYR:HB2	1:114:A:TYR:HA	20	1.81
(2,2870)	1:29:A:LEU:HD21	1:29:A:LEU:HA	11	1.81
(2,2870)	1:29:A:LEU:HD22	1:29:A:LEU:HA	11	1.81
(2,2870)	1:29:A:LEU:HD23	1:29:A:LEU:HA	11	1.81
(2,2849)	1:46:A:ILE:H	1:46:A:ILE:HG13	10	1.81
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	11	1.81
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	11	1.81
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	11	1.81
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	7	1.81
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	2	1.81
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	2	1.81
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	2	1.81
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	7	1.81
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	7	1.81
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	7	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	8	1.81
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	8	1.81
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	8	1.81
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	17	1.81
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	7	1.81
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	7	1.81
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	7	1.81
(2,2680)	1:83:A:PRO:HD3	1:71:A:THR:HA	5	1.81
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	5	1.81
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	8	1.81
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	9	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	4	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	4	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	4	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	6	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	6	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	6	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	12	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	12	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	12	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	15	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	15	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	15	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	19	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	19	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	19	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	20	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	20	1.81
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	20	1.81
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	2	1.81
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	8	1.81
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	15	1.81
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	20	1.81
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	14	1.81
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	14	1.81
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	14	1.81
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	14	1.81
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	14	1.81
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	14	1.81
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	14	1.81
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	14	1.81
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	14	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	13	1.81
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	13	1.81
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	13	1.81
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	19	1.81
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	19	1.81
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	19	1.81
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	7	1.81
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	7	1.81
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	7	1.81
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	5	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	1	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	2	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	6	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	7	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	8	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	9	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	10	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	11	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	13	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	14	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	16	1.81
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	18	1.81
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	2	1.81
(2,2463)	1:159:A:ASN:HB2	1:159:A:ASN:HB3	7	1.81
(2,2447)	1:9:A:VAL:HG11	1:9:A:VAL:HA	11	1.81
(2,2447)	1:9:A:VAL:HG12	1:9:A:VAL:HA	11	1.81
(2,2447)	1:9:A:VAL:HG13	1:9:A:VAL:HA	11	1.81
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	14	1.81
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	14	1.81
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	14	1.81
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	1	1.81
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	1	1.81
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	1	1.81
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	10	1.81
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	10	1.81
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	10	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	1	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	2	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	4	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	5	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	6	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	8	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	9	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	10	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	11	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	12	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	13	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	14	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	17	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	18	1.81
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	20	1.81
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	3	1.81
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	15	1.81
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	7	1.81
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	2	1.81
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	2	1.81
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	2	1.81
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	3	1.81
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	3	1.81
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	3	1.81
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	17	1.81
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	17	1.81
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	17	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	1	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	2	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	3	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	4	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	6	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	7	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	8	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	9	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	10	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	12	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	13	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	14	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	15	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	17	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	18	1.81
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	19	1.81
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	1	1.81
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	1	1.81
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	1	1.81
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	1	1.81
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	1	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	1	1.81
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	1	1.81
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	1	1.81
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	1	1.81
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	12	1.81
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	12	1.81
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	12	1.81
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	12	1.81
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	12	1.81
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	12	1.81
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	12	1.81
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	12	1.81
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	12	1.81
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	19	1.81
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	19	1.81
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	19	1.81
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	19	1.81
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	19	1.81
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	19	1.81
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	19	1.81
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	19	1.81
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	19	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	2	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	2	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	2	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	10	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	10	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	10	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	11	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	11	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	11	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	14	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	14	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	14	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	16	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	16	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	16	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	17	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	17	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	17	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	18	1.81
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	18	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	18	1.81
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	5	1.81
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	20	1.81
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	4	1.81
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	1	1.81
(2,2062)	1:157:A:VAL:HG21	1:157:A:VAL:H	15	1.81
(2,2062)	1:157:A:VAL:HG22	1:157:A:VAL:H	15	1.81
(2,2062)	1:157:A:VAL:HG23	1:157:A:VAL:H	15	1.81
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	4	1.81
(2,2018)	1:62:A:ALA:HB1	1:62:A:ALA:H	12	1.81
(2,2018)	1:62:A:ALA:HB2	1:62:A:ALA:H	12	1.81
(2,2018)	1:62:A:ALA:HB3	1:62:A:ALA:H	12	1.81
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	7	1.81
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	7	1.81
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	7	1.81
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	7	1.81
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	7	1.81
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	7	1.81
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	10	1.81
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	10	1.81
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	10	1.81
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	10	1.81
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	10	1.81
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	10	1.81
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	20	1.81
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	20	1.81
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	20	1.81
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	1	1.81
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	7	1.81
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	8	1.81
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	9	1.81
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	18	1.81
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	10	1.81
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	1	1.81
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	1	1.81
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	1	1.81
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	4	1.81
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	4	1.81
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	4	1.81
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	5	1.81
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	5	1.81
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	5	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	9	1.81
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	9	1.81
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	9	1.81
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	3	1.81
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	13	1.81
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	19	1.81
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	7	1.81
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	7	1.81
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	14	1.81
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	14	1.81
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	12	1.81
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD1	17	1.81
(2,1703)	1:7:A:TYR:HA	1:7:A:TYR:HD2	17	1.81
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	6	1.81
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	6	1.81
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	6	1.81
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	6	1.81
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	17	1.81
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	5	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	1	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	2	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	3	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	4	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	5	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	6	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	7	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	8	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	9	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	10	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	13	1.81
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	14	1.81
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	3	1.81
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	3	1.81
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	3	1.81
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	5	1.81
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	5	1.81
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	5	1.81
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	10	1.81
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	10	1.81
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	10	1.81
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	13	1.81
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	13	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	13	1.81
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	14	1.81
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	14	1.81
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	14	1.81
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	2	1.81
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	2	1.81
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	2	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	1	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	1	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	1	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	2	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	2	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	2	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	3	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	3	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	3	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	4	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	4	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	4	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	7	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	7	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	7	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	8	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	8	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	8	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	9	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	9	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	9	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	10	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	10	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	10	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	11	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	11	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	11	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	12	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	12	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	12	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	13	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	13	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	13	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	14	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	14	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	14	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	15	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	15	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	15	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	16	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	16	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	16	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	17	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	17	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	17	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	18	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	18	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	18	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	19	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	19	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	19	1.81
(2,1541)	1:161:A:THR:HG21	1:161:A:THR:HB	20	1.81
(2,1541)	1:161:A:THR:HG22	1:161:A:THR:HB	20	1.81
(2,1541)	1:161:A:THR:HG23	1:161:A:THR:HB	20	1.81
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	1	1.81
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	2	1.81
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	3	1.81
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	7	1.81
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	8	1.81
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	10	1.81
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	13	1.81
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	14	1.81
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	18	1.81
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	7	1.81
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	8	1.81
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	17	1.81
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	6	1.81
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	6	1.81
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	6	1.81
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	18	1.81
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	18	1.81
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	18	1.81
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	4	1.81
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	4	1.81
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	4	1.81
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	1	1.81
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	7	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	8	1.81
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	8	1.81
(2,1295)	1:30:A:LEU:HD21	1:30:A:LEU:HA	10	1.81
(2,1295)	1:30:A:LEU:HD22	1:30:A:LEU:HA	10	1.81
(2,1295)	1:30:A:LEU:HD23	1:30:A:LEU:HA	10	1.81
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	1	1.81
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	1	1.81
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	1	1.81
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	16	1.81
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	3	1.81
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	6	1.81
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	9	1.81
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	10	1.81
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	12	1.81
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	17	1.81
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	4	1.81
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	4	1.81
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	4	1.81
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	4	1.81
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	4	1.81
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	4	1.81
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	4	1.81
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	4	1.81
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	4	1.81
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	11	1.81
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	11	1.81
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	11	1.81
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	11	1.81
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	11	1.81
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	11	1.81
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	11	1.81
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	11	1.81
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	11	1.81
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	16	1.81
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	16	1.81
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	16	1.81
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	16	1.81
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	16	1.81
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	16	1.81
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	16	1.81
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	16	1.81
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	16	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	20	1.81
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	20	1.81
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	7	1.81
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	14	1.81
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	16	1.81
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	19	1.81
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	20	1.81
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	3	1.81
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	1	1.81
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	1	1.81
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	1	1.81
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	13	1.81
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	13	1.81
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	13	1.81
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	1	1.81
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	6	1.81
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	13	1.81
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	7	1.81
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	7	1.81
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	7	1.81
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	4	1.81
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	10	1.81
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	11	1.81
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	12	1.81
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	13	1.81
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	16	1.81
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	17	1.81
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	19	1.81
(2,1106)	1:73:A:SER:H	1:73:A:SER:HA	20	1.81
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	4	1.81
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	15	1.81
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	1	1.81
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	6	1.81
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	14	1.81
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	10	1.81
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	10	1.81
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	10	1.81
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	4	1.81
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	14	1.81
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	3	1.81
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	3	1.81
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	3	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	15	1.81
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	15	1.81
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	15	1.81
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	10	1.81
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	13	1.81
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	17	1.81
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	6	1.81
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	2	1.81
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	2	1.81
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	2	1.81
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	19	1.81
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	19	1.81
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	19	1.81
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	10	1.81
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	18	1.81
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	2	1.81
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	12	1.81
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	7	1.81
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	13	1.81
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	19	1.81
(2,696)	1:100:A:ILE:HB	1:100:A:ILE:H	7	1.81
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	18	1.81
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	20	1.81
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	16	1.81
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	16	1.81
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	16	1.81
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	16	1.81
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	20	1.81
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	2	1.81
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	2	1.81
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	2	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	1	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	2	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	3	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	4	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	5	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	6	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	7	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	8	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	9	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	10	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	11	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	12	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	13	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	14	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	15	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	16	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	17	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	18	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	19	1.81
(2,459)	1:60:A:HIS:HB2	1:60:A:HIS:HB3	20	1.81
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	7	1.81
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	5	1.81
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	5	1.81
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	5	1.81
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	5	1.81
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	5	1.81
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	5	1.81
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	5	1.81
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	5	1.81
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	5	1.81
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	11	1.81
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	11	1.81
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	11	1.81
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	11	1.81
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	11	1.81
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	11	1.81
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	11	1.81
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	11	1.81
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	11	1.81
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	16	1.81
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	16	1.81
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	16	1.81
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	16	1.81
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	16	1.81
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	16	1.81
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	16	1.81
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	16	1.81
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	16	1.81
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	20	1.81
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	20	1.81
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	20	1.81
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	20	1.81
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	20	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	20	1.81
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	20	1.81
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	20	1.81
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	20	1.81
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	11	1.81
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	12	1.81
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	13	1.81
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	15	1.81
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	18	1.81
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	17	1.81
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	17	1.81
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	17	1.81
(2,398)	1:18:A:ILE:HG13	1:18:A:ILE:HA	11	1.81
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	1	1.81
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	3	1.81
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	6	1.81
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	7	1.81
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	9	1.81
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	10	1.81
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	16	1.81
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	18	1.81
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	20	1.81
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	8	1.81
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	14	1.81
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	8	1.81
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	19	1.81
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	19	1.81
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	19	1.81
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	14	1.81
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	11	1.81
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	11	1.81
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	11	1.81
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	16	1.81
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	16	1.81
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	16	1.81
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	1	1.81
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	1	1.81
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	1	1.81
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	3	1.81
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	3	1.81
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	3	1.81
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	4	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	4	1.81
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	4	1.81
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	17	1.81
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	17	1.81
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	17	1.81
(2,170)	1:128:A:THR:HG21	1:128:A:THR:HA	19	1.81
(2,170)	1:128:A:THR:HG22	1:128:A:THR:HA	19	1.81
(2,170)	1:128:A:THR:HG23	1:128:A:THR:HA	19	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	1	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	1	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	1	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	3	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	3	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	3	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	5	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	5	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	5	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	6	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	6	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	6	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	7	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	7	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	7	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	8	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	8	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	8	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	12	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	12	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	12	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	13	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	13	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	13	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	14	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	14	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	14	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	15	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	15	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	15	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	17	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	17	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	17	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	18	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	18	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	18	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	19	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	19	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	19	1.81
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	20	1.81
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	20	1.81
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	20	1.81
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	17	1.81
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	13	1.81
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	1	1.81
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	6	1.81
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	16	1.81
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	16	1.81
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	8	1.8
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	5	1.8
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	8	1.8
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	11	1.8
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	19	1.8
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	1	1.8
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	10	1.8
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	13	1.8
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	17	1.8
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	20	1.8
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	12	1.8
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	6	1.8
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	17	1.8
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	16	1.8
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	4	1.8
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	11	1.8
(2,2906)	1:163:A:VAL:HB	1:163:A:VAL:H	13	1.8
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	7	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	1	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	2	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	3	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	4	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	5	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	6	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	7	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	8	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	9	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	10	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	12	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	15	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	16	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	17	1.8
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	19	1.8
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	20	1.8
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	3	1.8
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	3	1.8
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	3	1.8
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	14	1.8
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	14	1.8
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	14	1.8
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	16	1.8
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	16	1.8
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	16	1.8
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	7	1.8
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	7	1.8
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	7	1.8
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	6	1.8
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	12	1.8
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	14	1.8
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	15	1.8
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	3	1.8
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	7	1.8
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	15	1.8
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	8	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	1	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	1	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	1	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	2	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	2	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	2	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	3	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	3	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	3	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	5	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	5	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	5	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	7	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	7	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	7	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	8	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	8	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	8	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	9	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	9	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	9	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	10	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	10	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	10	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	11	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	11	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	11	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	13	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	13	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	13	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	14	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	14	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	14	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD11	18	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD12	18	1.8
(2,2624)	1:151:A:ILE:HG12	1:151:A:ILE:HD13	18	1.8
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	1	1.8
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	4	1.8
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	7	1.8
(2,2609)	1:10:A:LYS:H	1:10:A:LYS:HB2	13	1.8
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	12	1.8
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	16	1.8
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	18	1.8
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	12	1.8
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	12	1.8
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	12	1.8
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	17	1.8
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	17	1.8
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	17	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	1	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	2	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	3	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	4	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	5	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	7	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	8	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	9	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	10	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	11	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	12	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	13	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	16	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	17	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	19	1.8
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	20	1.8
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	7	1.8
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	15	1.8
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	16	1.8
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	11	1.8
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	3	1.8
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	4	1.8
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	15	1.8
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	19	1.8
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	3	1.8
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	3	1.8
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	3	1.8
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	2	1.8
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	12	1.8
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	12	1.8
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	12	1.8
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	14	1.8
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	14	1.8
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	14	1.8
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	5	1.8
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	5	1.8
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	5	1.8
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	11	1.8
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	11	1.8
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	11	1.8
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	3	1.8
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	7	1.8
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	15	1.8
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	16	1.8
(2,2324)	1:149:A:ASP:HB2	1:149:A:ASP:HB3	19	1.8
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	12	1.8
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	12	1.8
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	12	1.8
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	12	1.8
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	12	1.8
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	12	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	2	1.8
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	13	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	1	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	2	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	4	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	5	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	6	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	8	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	9	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	13	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	16	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	17	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	18	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	19	1.8
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	20	1.8
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	8	1.8
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	11	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	1	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	2	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	3	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	5	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	6	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	7	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	8	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	9	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	10	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	11	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	12	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	13	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	15	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	16	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	17	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	19	1.8
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	20	1.8
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	5	1.8
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	11	1.8
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	16	1.8
(2,2185)	1:143:A:ILE:H	1:143:A:ILE:HA	20	1.8
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	8	1.8
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	8	1.8
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	8	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	4	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	4	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	4	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	4	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	4	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	4	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	4	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	4	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	4	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	8	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	8	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	8	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	8	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	8	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	8	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	8	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	8	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	8	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	10	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	10	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	10	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	10	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	10	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	10	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	10	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	10	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	10	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	18	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	18	1.8
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	18	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	18	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	18	1.8
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	18	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	18	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	18	1.8
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	18	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	1	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	1	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	1	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	7	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	7	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	7	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	8	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	8	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	8	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	13	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	13	1.8
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	13	1.8
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	8	1.8
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	3	1.8
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	7	1.8
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	13	1.8
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	1	1.8
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	15	1.8
(2,2058)	1:167:A:ARG:H	1:166:A:ASN:HA	9	1.8
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	12	1.8
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	9	1.8
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	9	1.8
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	9	1.8
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	9	1.8
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	9	1.8
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	9	1.8
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	10	1.8
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	10	1.8
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	10	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	1	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	2	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	3	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	4	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	5	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	6	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	7	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	8	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	9	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	10	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	11	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	12	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	13	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	14	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	15	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	16	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	17	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	18	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	19	1.8
(2,1969)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	20	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	5	1.8
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	10	1.8
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	13	1.8
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	14	1.8
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	15	1.8
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	14	1.8
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	18	1.8
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	20	1.8
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	14	1.8
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	14	1.8
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	14	1.8
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	9	1.8
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	14	1.8
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	16	1.8
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	20	1.8
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	18	1.8
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	18	1.8
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	4	1.8
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	10	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	1	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	1	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	1	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	4	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	4	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	4	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	7	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	7	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	7	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	11	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	11	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	11	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	12	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	12	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	12	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	13	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	13	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	13	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	19	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	19	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	19	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	20	1.8
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	20	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	20	1.8
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	17	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	2	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	2	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	2	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	4	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	4	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	4	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	8	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	8	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	8	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	9	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	9	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	9	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	10	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	10	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	10	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	12	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	12	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	12	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	13	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	13	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	13	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	14	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	14	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	14	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	16	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	16	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	16	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	18	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	18	1.8
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	18	1.8
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	5	1.8
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	11	1.8
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	12	1.8
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	15	1.8
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	16	1.8
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	17	1.8
(2,1609)	1:115:A:TRP:H	1:115:A:TRP:HA	20	1.8
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	4	1.8
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	5	1.8
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	6	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	9	1.8
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	11	1.8
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	12	1.8
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	15	1.8
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	16	1.8
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	17	1.8
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	19	1.8
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	12	1.8
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	13	1.8
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	19	1.8
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	7	1.8
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	7	1.8
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	7	1.8
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	15	1.8
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	15	1.8
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	15	1.8
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	17	1.8
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	17	1.8
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	17	1.8
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	17	1.8
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	17	1.8
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	17	1.8
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	6	1.8
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	13	1.8
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	2	1.8
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	18	1.8
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	9	1.8
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	20	1.8
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	17	1.8
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	2	1.8
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	2	1.8
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	2	1.8
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	4	1.8
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	4	1.8
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	4	1.8
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	10	1.8
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	10	1.8
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	10	1.8
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	17	1.8
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	17	1.8
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	17	1.8
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	19	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	19	1.8
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	19	1.8
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	13	1.8
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	14	1.8
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	15	1.8
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	11	1.8
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	11	1.8
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	17	1.8
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	4	1.8
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	4	1.8
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	4	1.8
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	5	1.8
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	5	1.8
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	5	1.8
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	8	1.8
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	8	1.8
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	8	1.8
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	9	1.8
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	9	1.8
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	9	1.8
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	12	1.8
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	12	1.8
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	12	1.8
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	14	1.8
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	14	1.8
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	14	1.8
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	15	1.8
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	15	1.8
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	15	1.8
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	17	1.8
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	17	1.8
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	17	1.8
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	20	1.8
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	20	1.8
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	20	1.8
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	9	1.8
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	11	1.8
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	1	1.8
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	1	1.8
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	1	1.8
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	15	1.8
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	15	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	15	1.8
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	1	1.8
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	1	1.8
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	1	1.8
(2,1084)	1:157:A:VAL:HG11	1:157:A:VAL:H	19	1.8
(2,1084)	1:157:A:VAL:HG12	1:157:A:VAL:H	19	1.8
(2,1084)	1:157:A:VAL:HG13	1:157:A:VAL:H	19	1.8
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	1	1.8
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	19	1.8
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	2	1.8
(2,887)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	2	1.8
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	1	1.8
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	3	1.8
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	1	1.8
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	6	1.8
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	6	1.8
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	20	1.8
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	20	1.8
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	20	1.8
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	1	1.8
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	1	1.8
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	1	1.8
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	8	1.8
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	8	1.8
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	8	1.8
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	15	1.8
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	15	1.8
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	15	1.8
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	20	1.8
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	20	1.8
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	20	1.8
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	10	1.8
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	14	1.8
(2,516)	1:121:A:GLN:HG3	1:122:A:HIS:H	8	1.8
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	14	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	1	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	1	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	1	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	1	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	1	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	1	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	1	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	1	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	1	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	4	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	4	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	4	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	4	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	4	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	4	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	4	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	4	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	4	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	7	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	7	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	7	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	7	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	7	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	7	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	7	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	7	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	7	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	10	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	10	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	10	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	10	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	10	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	10	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	10	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	10	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	10	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	14	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	14	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	14	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	14	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	14	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	14	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	14	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	14	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	14	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	17	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	17	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	17	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	17	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	17	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	17	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	17	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	17	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	17	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	18	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	18	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	18	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	18	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	18	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	18	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	18	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	18	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	18	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	19	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	19	1.8
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	19	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	19	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	19	1.8
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	19	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	19	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	19	1.8
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	19	1.8
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	6	1.8
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	16	1.8
(2,430)	1:144:A:ARG:HA	1:144:A:ARG:HB3	19	1.8
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	12	1.8
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	1	1.8
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	6	1.8
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	6	1.8
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	6	1.8
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	2	1.8
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	8	1.8
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	11	1.8
(2,277)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	14	1.8
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	6	1.8
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	1	1.8
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	5	1.8
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	10	1.8
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	5	1.8
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	5	1.8
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	5	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	9	1.8
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	9	1.8
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	9	1.8
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	17	1.8
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	17	1.8
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	17	1.8
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	1	1.8
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	1	1.8
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	1	1.8
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	5	1.8
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	5	1.8
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	5	1.8
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	12	1.8
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	12	1.8
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	12	1.8
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	15	1.8
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	15	1.8
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	15	1.8
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	2	1.8
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	18	1.8
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	12	1.8
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	2	1.8
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	2	1.8
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	2	1.8
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	4	1.8
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	4	1.8
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	4	1.8
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	9	1.8
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	9	1.8
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	9	1.8
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	10	1.8
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	10	1.8
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	10	1.8
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	11	1.8
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	11	1.8
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	11	1.8
(2,111)	1:9:A:VAL:HG11	1:9:A:VAL:HB	16	1.8
(2,111)	1:9:A:VAL:HG12	1:9:A:VAL:HB	16	1.8
(2,111)	1:9:A:VAL:HG13	1:9:A:VAL:HB	16	1.8
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	5	1.8
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	12	1.8
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	10	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	1	1.8
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	1	1.8
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	16	1.79
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	9	1.79
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	5	1.79
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	9	1.79
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	14	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	1	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	2	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	3	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	4	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	5	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	6	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	7	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	8	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	9	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	10	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	11	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	12	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	13	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	14	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	15	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	16	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	17	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	18	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	19	1.79
(2,3069)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	20	1.79
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	6	1.79
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	6	1.79
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	6	1.79
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	6	1.79
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	6	1.79
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	6	1.79
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	6	1.79
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	6	1.79
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	6	1.79
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	9	1.79
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	14	1.79
(2,2897)	1:118:A:LEU:HB2	1:118:A:LEU:HA	14	1.79
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD11	3	1.79
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD12	3	1.79
(2,2846)	1:72:A:LEU:HB2	1:72:A:LEU:HD13	3	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	3	1.79
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	4	1.79
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	4	1.79
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	4	1.79
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	11	1.79
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	14	1.79
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	14	1.79
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	14	1.79
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	5	1.79
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	5	1.79
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	5	1.79
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	10	1.79
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	10	1.79
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	10	1.79
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	17	1.79
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	17	1.79
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	17	1.79
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	18	1.79
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	18	1.79
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	18	1.79
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	19	1.79
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	11	1.79
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	11	1.79
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	11	1.79
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	1	1.79
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	2	1.79
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	4	1.79
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	7	1.79
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	9	1.79
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	10	1.79
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	16	1.79
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	18	1.79
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	1	1.79
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	6	1.79
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	10	1.79
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	16	1.79
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	20	1.79
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	2	1.79
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	2	1.79
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	2	1.79
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	2	1.79
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	2	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	2	1.79
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	2	1.79
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	2	1.79
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	2	1.79
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	7	1.79
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	8	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	2	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	2	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	2	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	3	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	3	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	3	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	4	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	4	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	4	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	7	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	7	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	7	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	9	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	9	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	9	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	10	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	10	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	10	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	16	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	16	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	16	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	18	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	18	1.79
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	18	1.79
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	6	1.79
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	14	1.79
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	15	1.79
(2,2573)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	18	1.79
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	1	1.79
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	1	1.79
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	3	1.79
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	4	1.79
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	7	1.79
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	8	1.79
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	9	1.79
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	17	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	18	1.79
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	12	1.79
(2,2477)	1:125:A:ILE:HG12	1:125:A:ILE:HB	17	1.79
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	5	1.79
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	5	1.79
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	5	1.79
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	7	1.79
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	7	1.79
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	7	1.79
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	15	1.79
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	15	1.79
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	15	1.79
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	16	1.79
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	16	1.79
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	16	1.79
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	1	1.79
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	1	1.79
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	1	1.79
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	3	1.79
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	3	1.79
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	3	1.79
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	6	1.79
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	6	1.79
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	6	1.79
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	8	1.79
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	8	1.79
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	8	1.79
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	11	1.79
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	11	1.79
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	11	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	1	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	3	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	4	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	5	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	6	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	7	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	8	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	9	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	10	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	11	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	12	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	14	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	15	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	16	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	17	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	18	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	19	1.79
(2,2286)	1:84:A:ILE:HA	1:84:A:ILE:H	20	1.79
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	7	1.79
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	10	1.79
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	14	1.79
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	16	1.79
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	18	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	1	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	1	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	1	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	3	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	3	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	3	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	4	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	4	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	4	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	5	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	5	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	5	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	7	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	7	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	7	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	8	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	8	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	8	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	10	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	10	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	10	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	13	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	13	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	13	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	14	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	14	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	14	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	16	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	16	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	16	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	17	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	17	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	17	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	18	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	18	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	18	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	19	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	19	1.79
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	19	1.79
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	3	1.79
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	4	1.79
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	14	1.79
(2,2233)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	18	1.79
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	15	1.79
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	15	1.79
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	15	1.79
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	1	1.79
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	1	1.79
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	1	1.79
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	6	1.79
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	6	1.79
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	6	1.79
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	7	1.79
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	7	1.79
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	7	1.79
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	10	1.79
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	10	1.79
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	10	1.79
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	11	1.79
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	11	1.79
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	11	1.79
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	14	1.79
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	14	1.79
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	14	1.79
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	15	1.79
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	15	1.79
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	15	1.79
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	6	1.79
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	6	1.79
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	6	1.79
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	6	1.79
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	6	1.79
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	6	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	6	1.79
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	6	1.79
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	6	1.79
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	7	1.79
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	7	1.79
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	7	1.79
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	7	1.79
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	7	1.79
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	7	1.79
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	7	1.79
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	7	1.79
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	7	1.79
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	15	1.79
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	15	1.79
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	15	1.79
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	15	1.79
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	15	1.79
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	15	1.79
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	15	1.79
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	15	1.79
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	15	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	3	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	3	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	3	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	4	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	4	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	4	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	6	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	6	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	6	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	9	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	9	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	9	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	12	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	12	1.79
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	12	1.79
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	3	1.79
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	13	1.79
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	15	1.79
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	16	1.79
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	20	1.79
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	20	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	20	1.79
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	1	1.79
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	1	1.79
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	1	1.79
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	1	1.79
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	1	1.79
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	1	1.79
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	2	1.79
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	2	1.79
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	2	1.79
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	3	1.79
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	3	1.79
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	3	1.79
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	5	1.79
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	5	1.79
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	5	1.79
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	13	1.79
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	13	1.79
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	13	1.79
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	2	1.79
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	4	1.79
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	6	1.79
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	12	1.79
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	16	1.79
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	17	1.79
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	19	1.79
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	20	1.79
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	6	1.79
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	7	1.79
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	15	1.79
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	7	1.79
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	7	1.79
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	7	1.79
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	4	1.79
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	10	1.79
(2,1876)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	17	1.79
(2,1876)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	17	1.79
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	1	1.79
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	6	1.79
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	9	1.79
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	15	1.79
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	16	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	19	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	2	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	2	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	2	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	3	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	3	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	3	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	5	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	5	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	5	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	6	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	6	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	6	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	8	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	8	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	8	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	9	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	9	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	9	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	10	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	10	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	10	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	14	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	14	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	14	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	15	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	15	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	15	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	16	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	16	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	16	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	17	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	17	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	17	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD11	18	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD12	18	1.79
(2,1672)	1:48:A:ILE:HB	1:48:A:ILE:HD13	18	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	1	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	1	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	1	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	3	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	3	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	3	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	5	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	5	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	5	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	7	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	7	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	7	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	11	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	11	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	11	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	15	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	15	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	15	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	17	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	17	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	17	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	19	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	19	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	19	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG21	20	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG22	20	1.79
(2,1652)	1:26:A:THR:HB	1:26:A:THR:HG23	20	1.79
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	4	1.79
(2,1534)	1:126:A:HIS:H	1:126:A:HIS:HA	20	1.79
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	3	1.79
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	9	1.79
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	14	1.79
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	16	1.79
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	20	1.79
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	11	1.79
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	11	1.79
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	11	1.79
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	11	1.79
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	12	1.79
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	12	1.79
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	12	1.79
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	16	1.79
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	16	1.79
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	16	1.79
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	19	1.79
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	19	1.79
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	19	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	20	1.79
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	20	1.79
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	20	1.79
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	18	1.79
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	1	1.79
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	2	1.79
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	3	1.79
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	11	1.79
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	3	1.79
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	12	1.79
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	18	1.79
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	3	1.79
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	3	1.79
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	3	1.79
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	5	1.79
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	5	1.79
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	5	1.79
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	8	1.79
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	8	1.79
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	8	1.79
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	13	1.79
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	13	1.79
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	13	1.79
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	18	1.79
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	18	1.79
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	18	1.79
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	10	1.79
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	6	1.79
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	3	1.79
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	3	1.79
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	3	1.79
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	5	1.79
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	5	1.79
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	5	1.79
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	6	1.79
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	6	1.79
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	6	1.79
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	7	1.79
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	7	1.79
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	7	1.79
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	11	1.79
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	11	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	11	1.79
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	12	1.79
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	12	1.79
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	12	1.79
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	18	1.79
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	18	1.79
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	18	1.79
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	20	1.79
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	20	1.79
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	20	1.79
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	4	1.79
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	18	1.79
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	2	1.79
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	2	1.79
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	5	1.79
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	5	1.79
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	6	1.79
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	6	1.79
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	2	1.79
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	2	1.79
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	2	1.79
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	6	1.79
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	6	1.79
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	6	1.79
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	7	1.79
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	7	1.79
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	7	1.79
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	19	1.79
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	19	1.79
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	19	1.79
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	7	1.79
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	14	1.79
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	15	1.79
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	16	1.79
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	19	1.79
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	18	1.79
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	18	1.79
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	18	1.79
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	10	1.79
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	13	1.79
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	18	1.79
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	8	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	11	1.79
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	17	1.79
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	17	1.79
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	17	1.79
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	17	1.79
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	11	1.79
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	5	1.79
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	7	1.79
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	16	1.79
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	19	1.79
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	19	1.79
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	19	1.79
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	3	1.79
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	14	1.79
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	11	1.79
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	9	1.79
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	9	1.79
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	9	1.79
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	10	1.79
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	10	1.79
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	10	1.79
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	18	1.79
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	18	1.79
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	18	1.79
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD11	17	1.79
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD12	17	1.79
(2,633)	1:65:A:ILE:H	1:65:A:ILE:HD13	17	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	1	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	1	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	1	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	2	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	2	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	2	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	3	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	3	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	3	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	4	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	4	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	4	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	6	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	6	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	6	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	7	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	7	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	7	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	8	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	8	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	8	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	9	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	9	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	9	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	10	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	10	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	10	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	11	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	11	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	11	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	12	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	12	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	12	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	13	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	13	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	13	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	14	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	14	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	14	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	15	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	15	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	15	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	16	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	16	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	16	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	17	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	17	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	17	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	18	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	18	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	18	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	19	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	19	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	19	1.79
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	20	1.79
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	20	1.79
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	20	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	18	1.79
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	18	1.79
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	18	1.79
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	20	1.79
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	11	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	2	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	2	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	2	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	2	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	2	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	2	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	2	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	2	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	2	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	3	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	3	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	3	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	3	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	3	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	3	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	3	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	3	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	3	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	6	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	6	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	6	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	6	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	6	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	6	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	6	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	6	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	6	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	8	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	8	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	8	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	8	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	8	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	8	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	8	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	8	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	8	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	9	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	9	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	9	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	9	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	9	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	9	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	9	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	9	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	9	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	12	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	12	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	12	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	12	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	12	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	12	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	12	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	12	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	12	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	13	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	13	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	13	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	13	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	13	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	13	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	13	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	13	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	13	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	15	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	15	1.79
(2,446)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	15	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	15	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	15	1.79
(2,446)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	15	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	15	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	15	1.79
(2,446)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	15	1.79
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	11	1.79
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	11	1.79
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	4	1.79
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	6	1.79
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	8	1.79
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	12	1.79
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	15	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	18	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	2	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	3	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	4	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	6	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	7	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	8	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	9	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	12	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	13	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	14	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	15	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	16	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	17	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	18	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	19	1.79
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	20	1.79
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	10	1.79
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	10	1.79
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	10	1.79
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	4	1.79
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	4	1.79
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	4	1.79
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	8	1.79
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	8	1.79
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	8	1.79
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	9	1.79
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	9	1.79
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	9	1.79
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	10	1.79
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	10	1.79
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	10	1.79
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	17	1.79
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	17	1.79
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	17	1.79
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	20	1.79
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	20	1.79
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	20	1.79
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	10	1.79
(2,72)	1:4:A:LEU:HB3	1:5:A:LEU:H	11	1.79
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	15	1.79
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	11	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	18	1.78
(4,1030)	1:68:A:LYS:HD2	1:69:A:THR:H	12	1.78
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	2	1.78
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	1	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	1	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	1	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	1	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	2	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	2	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	2	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	3	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	3	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	3	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	4	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	4	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	4	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	5	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	5	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	5	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	6	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	6	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	6	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	7	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	7	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	7	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	8	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	8	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	8	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	9	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	9	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	9	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	10	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	10	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	10	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	11	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	11	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	11	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	12	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	12	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	12	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	13	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	13	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	13	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	14	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	14	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	14	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	15	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	15	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	15	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	16	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	16	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	16	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	17	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	17	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	17	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	18	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	18	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	18	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	19	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	19	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	19	1.78
(2,3149)	1:151:A:ILE:HG21	1:151:A:ILE:HB	20	1.78
(2,3149)	1:151:A:ILE:HG22	1:151:A:ILE:HB	20	1.78
(2,3149)	1:151:A:ILE:HG23	1:151:A:ILE:HB	20	1.78
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	7	1.78
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	7	1.78
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	10	1.78
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	11	1.78
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	19	1.78
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	4	1.78
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	19	1.78
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	2	1.78
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	1	1.78
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	1	1.78
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	1	1.78
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	3	1.78
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	3	1.78
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	3	1.78
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	5	1.78
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	5	1.78
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	5	1.78
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	7	1.78
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	7	1.78
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	7	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	8	1.78
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	8	1.78
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	8	1.78
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	12	1.78
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	12	1.78
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	12	1.78
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	15	1.78
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	15	1.78
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	15	1.78
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	11	1.78
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	16	1.78
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	16	1.78
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	16	1.78
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	6	1.78
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	6	1.78
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	6	1.78
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	15	1.78
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	15	1.78
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	15	1.78
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	19	1.78
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	19	1.78
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	19	1.78
(2,2729)	1:47:A:VAL:HG21	1:47:A:VAL:HA	20	1.78
(2,2729)	1:47:A:VAL:HG22	1:47:A:VAL:HA	20	1.78
(2,2729)	1:47:A:VAL:HG23	1:47:A:VAL:HA	20	1.78
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	13	1.78
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	1	1.78
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	1	1.78
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	1	1.78
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	8	1.78
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	11	1.78
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	19	1.78
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	20	1.78
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	12	1.78
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	18	1.78
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	19	1.78
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	5	1.78
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	6	1.78
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	1	1.78
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	1	1.78
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	1	1.78
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	8	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	8	1.78
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	8	1.78
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	20	1.78
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	20	1.78
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	20	1.78
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	10	1.78
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	15	1.78
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	20	1.78
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	5	1.78
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	6	1.78
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	10	1.78
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	11	1.78
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	12	1.78
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	13	1.78
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	14	1.78
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	15	1.78
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	16	1.78
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	19	1.78
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	9	1.78
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	9	1.78
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	9	1.78
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	12	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	2	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	2	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	2	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	5	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	5	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	5	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	6	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	6	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	6	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	9	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	9	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	9	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	20	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	20	1.78
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	20	1.78
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	17	1.78
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	17	1.78
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	17	1.78
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	7	1.78
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	7	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	7	1.78
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	13	1.78
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	13	1.78
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	13	1.78
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	14	1.78
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	14	1.78
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	14	1.78
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	15	1.78
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	15	1.78
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	15	1.78
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	18	1.78
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	18	1.78
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	18	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	2	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	2	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	2	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	4	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	4	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	4	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	5	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	5	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	5	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	6	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	6	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	6	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	7	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	7	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	7	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	8	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	8	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	8	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	11	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	11	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	11	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	12	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	12	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	12	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	16	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	16	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	16	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	20	1.78
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	20	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	20	1.78
(2,2261)	1:74:A:LEU:HB2	1:74:A:LEU:HA	12	1.78
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	3	1.78
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	4	1.78
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	6	1.78
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	17	1.78
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	19	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	2	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	2	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	2	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	6	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	6	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	6	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	9	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	9	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	9	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	11	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	11	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	11	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	12	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	12	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	12	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	15	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	15	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	15	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB1	20	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB2	20	1.78
(2,2243)	1:62:A:ALA:HA	1:62:A:ALA:HB3	20	1.78
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	2	1.78
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	2	1.78
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	2	1.78
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	3	1.78
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	3	1.78
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	3	1.78
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	4	1.78
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	4	1.78
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	4	1.78
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	5	1.78
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	5	1.78
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	5	1.78
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	9	1.78
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	9	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	9	1.78
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	12	1.78
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	12	1.78
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	12	1.78
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	13	1.78
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	13	1.78
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	13	1.78
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	16	1.78
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	16	1.78
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	16	1.78
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	17	1.78
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	17	1.78
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	17	1.78
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	19	1.78
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	19	1.78
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	19	1.78
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	20	1.78
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	20	1.78
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	20	1.78
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	14	1.78
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	14	1.78
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	14	1.78
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	14	1.78
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	14	1.78
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	14	1.78
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	14	1.78
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	14	1.78
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	14	1.78
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	20	1.78
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	20	1.78
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	20	1.78
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	20	1.78
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	20	1.78
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	20	1.78
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	20	1.78
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	20	1.78
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	20	1.78
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	5	1.78
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	5	1.78
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	5	1.78
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	15	1.78
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	15	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	15	1.78
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	19	1.78
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	19	1.78
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	19	1.78
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	18	1.78
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	7	1.78
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	14	1.78
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	14	1.78
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	14	1.78
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	3	1.78
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	3	1.78
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	3	1.78
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	3	1.78
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	3	1.78
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	3	1.78
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	19	1.78
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	19	1.78
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	19	1.78
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	19	1.78
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	19	1.78
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	19	1.78
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	1	1.78
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	1	1.78
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	1	1.78
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	9	1.78
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	9	1.78
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	9	1.78
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	11	1.78
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	11	1.78
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	11	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	1	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	1	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	1	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	2	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	2	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	2	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	4	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	4	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	4	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	6	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	6	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	6	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	7	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	7	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	7	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	8	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	8	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	8	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	9	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	9	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	9	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	10	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	10	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	10	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	11	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	11	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	11	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	12	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	12	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	12	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	14	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	14	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	14	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	15	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	15	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	15	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	16	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	16	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	16	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	18	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	18	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	18	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	19	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	19	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	19	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	20	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	20	1.78
(2,1972)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	20	1.78
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	1	1.78
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	3	1.78
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	5	1.78
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	15	1.78
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	15	1.78
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	15	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	18	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	1	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	1	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	1	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	2	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	2	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	2	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	3	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	3	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	3	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	4	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	4	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	4	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	7	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	7	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	7	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	9	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	9	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	9	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	10	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	10	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	10	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	12	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	12	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	12	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	13	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	13	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	13	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	15	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	15	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	15	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	17	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	17	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	17	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	18	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	18	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	18	1.78
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	19	1.78
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	19	1.78
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	19	1.78
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	5	1.78
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	7	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	8	1.78
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	11	1.78
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	12	1.78
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	13	1.78
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	14	1.78
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	18	1.78
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	19	1.78
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	20	1.78
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	13	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	1	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	1	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	1	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	3	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	3	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	3	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	4	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	4	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	4	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	5	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	5	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	5	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	6	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	6	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	6	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	7	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	7	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	7	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	8	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	8	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	8	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	9	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	9	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	9	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	10	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	10	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	10	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	11	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	11	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	11	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	12	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	12	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	12	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	13	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	13	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	13	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	14	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	14	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	14	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	15	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	15	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	15	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	16	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	16	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	16	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	17	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	17	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	17	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	18	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	18	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	18	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	19	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	19	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	19	1.78
(2,1591)	1:86:A:VAL:HG11	1:86:A:VAL:HB	20	1.78
(2,1591)	1:86:A:VAL:HG12	1:86:A:VAL:HB	20	1.78
(2,1591)	1:86:A:VAL:HG13	1:86:A:VAL:HB	20	1.78
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	17	1.78
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	6	1.78
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	4	1.78
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	4	1.78
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	13	1.78
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	20	1.78
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	1	1.78
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	1	1.78
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	1	1.78
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	2	1.78
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	2	1.78
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	2	1.78
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	3	1.78
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	3	1.78
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	3	1.78
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	4	1.78
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	4	1.78
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	4	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	5	1.78
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	5	1.78
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	5	1.78
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	9	1.78
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	9	1.78
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	9	1.78
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	14	1.78
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	14	1.78
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	14	1.78
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	15	1.78
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	15	1.78
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	15	1.78
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	4	1.78
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	4	1.78
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	4	1.78
(2,1442)	1:87:A:GLY:HA3	1:87:A:GLY:H	2	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	4	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	5	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	6	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	7	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	8	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	9	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	10	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	12	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	13	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	14	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	15	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	16	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	17	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	18	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	19	1.78
(2,1440)	1:87:A:GLY:HA2	1:87:A:GLY:HA3	20	1.78
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	17	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	1	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	1	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	1	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	2	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	2	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	2	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	4	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	4	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	4	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	6	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	6	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	6	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	7	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	7	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	7	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	9	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	9	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	9	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	10	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	10	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	10	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	11	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	11	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	11	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	12	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	12	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	12	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	15	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	15	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	15	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	16	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	16	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	16	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	17	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	17	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	17	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	19	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	19	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	19	1.78
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	20	1.78
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	20	1.78
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	20	1.78
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	12	1.78
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	12	1.78
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	12	1.78
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	10	1.78
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	13	1.78
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	14	1.78
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	18	1.78
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	8	1.78
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	8	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	8	1.78
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	9	1.78
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	9	1.78
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	9	1.78
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	13	1.78
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	13	1.78
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	13	1.78
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	14	1.78
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	14	1.78
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	14	1.78
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	15	1.78
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	15	1.78
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	15	1.78
(2,1236)	1:46:A:ILE:HG21	1:46:A:ILE:HB	16	1.78
(2,1236)	1:46:A:ILE:HG22	1:46:A:ILE:HB	16	1.78
(2,1236)	1:46:A:ILE:HG23	1:46:A:ILE:HB	16	1.78
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	1	1.78
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	9	1.78
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	12	1.78
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	12	1.78
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	12	1.78
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	12	1.78
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	12	1.78
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	12	1.78
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	12	1.78
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	12	1.78
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	12	1.78
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	1	1.78
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	1	1.78
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	15	1.78
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	15	1.78
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	16	1.78
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	16	1.78
(2,1147)	1:120:A:LYS:HA	1:120:A:LYS:HB2	4	1.78
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	3	1.78
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	3	1.78
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	3	1.78
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	11	1.78
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	11	1.78
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	11	1.78
(2,1133)	1:14:A:THR:HG21	1:14:A:THR:HA	16	1.78
(2,1133)	1:14:A:THR:HG22	1:14:A:THR:HA	16	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1133)	1:14:A:THR:HG23	1:14:A:THR:HA	16	1.78
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	4	1.78
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	8	1.78
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	8	1.78
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	8	1.78
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	5	1.78
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	5	1.78
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	5	1.78
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	10	1.78
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	10	1.78
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	10	1.78
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	17	1.78
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	9	1.78
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	13	1.78
(2,922)	1:100:A:ILE:HD11	1:100:A:ILE:H	9	1.78
(2,922)	1:100:A:ILE:HD12	1:100:A:ILE:H	9	1.78
(2,922)	1:100:A:ILE:HD13	1:100:A:ILE:H	9	1.78
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	1	1.78
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	4	1.78
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	7	1.78
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	12	1.78
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	1	1.78
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	9	1.78
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	10	1.78
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	13	1.78
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	17	1.78
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	17	1.78
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	17	1.78
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	1	1.78
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	5	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	1	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	1	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	1	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	4	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	4	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	4	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	5	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	5	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	5	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	6	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	6	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	6	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	8	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	8	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	8	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	10	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	10	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	10	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	11	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	11	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	11	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	12	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	12	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	12	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	14	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	14	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	14	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	15	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	15	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	15	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	16	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	16	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	16	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	17	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	17	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	17	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	18	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	18	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	18	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	20	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	20	1.78
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	20	1.78
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	16	1.78
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	6	1.78
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	6	1.78
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	6	1.78
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	13	1.78
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	13	1.78
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	13	1.78
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	6	1.78
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	6	1.78
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	6	1.78
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	19	1.78
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	19	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	19	1.78
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	3	1.78
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	3	1.78
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	3	1.78
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	9	1.78
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	9	1.78
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	9	1.78
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	8	1.78
(2,561)	1:78:A:VAL:HG11	1:78:A:VAL:HB	5	1.78
(2,561)	1:78:A:VAL:HG12	1:78:A:VAL:HB	5	1.78
(2,561)	1:78:A:VAL:HG13	1:78:A:VAL:HB	5	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	1	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	2	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	3	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	4	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	5	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	7	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	8	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	9	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	10	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	11	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	12	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	13	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	14	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	15	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	17	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	18	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	19	1.78
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	20	1.78
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	11	1.78
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	2	1.78
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	2	1.78
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	2	1.78
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	3	1.78
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	3	1.78
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	3	1.78
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	4	1.78
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	4	1.78
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	4	1.78
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	5	1.78
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	5	1.78
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	5	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	13	1.78
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	13	1.78
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	13	1.78
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	2	1.78
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	3	1.78
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	5	1.78
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	7	1.78
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	17	1.78
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	20	1.78
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	1	1.78
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	1	1.78
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	1	1.78
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	2	1.78
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	2	1.78
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	2	1.78
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	7	1.78
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	15	1.78
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	15	1.78
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	15	1.78
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	9	1.78
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	15	1.78
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	15	1.78
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	15	1.78
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	8	1.78
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	8	1.78
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	8	1.78
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	2	1.78
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	2	1.78
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	2	1.78
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	3	1.78
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	3	1.78
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	3	1.78
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	7	1.78
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	7	1.78
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	7	1.78
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	13	1.78
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	13	1.78
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	13	1.78
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	14	1.78
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	14	1.78
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	14	1.78
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	18	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	18	1.78
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	18	1.78
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	19	1.78
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	19	1.78
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	19	1.78
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	7	1.78
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	8	1.78
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	4	1.78
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	17	1.78
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	19	1.78
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	15	1.78
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	13	1.77
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	11	1.77
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	11	1.77
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	4	1.77
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	4	1.77
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	15	1.77
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	6	1.77
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	9	1.77
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	1	1.77
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	12	1.77
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	15	1.77
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	15	1.77
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	15	1.77
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	15	1.77
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	15	1.77
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	15	1.77
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	15	1.77
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	15	1.77
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	15	1.77
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	15	1.77
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	19	1.77
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	19	1.77
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	19	1.77
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	19	1.77
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	19	1.77
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	19	1.77
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	19	1.77
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	19	1.77
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	19	1.77
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	6	1.77
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	6	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	6	1.77
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	6	1.77
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	15	1.77
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	7	1.77
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	8	1.77
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	10	1.77
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	20	1.77
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	13	1.77
(2,2870)	1:29:A:LEU:HD21	1:29:A:LEU:HA	1	1.77
(2,2870)	1:29:A:LEU:HD22	1:29:A:LEU:HA	1	1.77
(2,2870)	1:29:A:LEU:HD23	1:29:A:LEU:HA	1	1.77
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	18	1.77
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	14	1.77
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	6	1.77
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	6	1.77
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	6	1.77
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	9	1.77
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	9	1.77
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	9	1.77
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	13	1.77
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	13	1.77
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	13	1.77
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	16	1.77
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	16	1.77
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	16	1.77
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	17	1.77
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	17	1.77
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	17	1.77
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	19	1.77
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	19	1.77
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	19	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	1	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	1	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	1	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	3	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	3	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	3	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	4	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	4	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	4	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	5	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	5	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	5	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	6	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	6	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	6	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	10	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	10	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	10	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	12	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	12	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	12	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	17	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	17	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	17	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	18	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	18	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	18	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	20	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	20	1.77
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	20	1.77
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	4	1.77
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	13	1.77
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	1	1.77
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	3	1.77
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	15	1.77
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	15	1.77
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	15	1.77
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	5	1.77
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	2	1.77
(2,2509)	1:144:A:ARG:HA	1:144:A:ARG:H	20	1.77
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	2	1.77
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	4	1.77
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	12	1.77
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	20	1.77
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	14	1.77
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	14	1.77
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	14	1.77
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	2	1.77
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	2	1.77
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	2	1.77
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	10	1.77
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	10	1.77
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	10	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	11	1.77
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	11	1.77
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	11	1.77
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	16	1.77
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	18	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	1	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	1	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	1	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	3	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	3	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	3	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	9	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	9	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	9	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	10	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	10	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	10	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	13	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	13	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	13	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	14	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	14	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	14	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	15	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	15	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	15	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	17	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	17	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	17	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	18	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	18	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	18	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD11	19	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD12	19	1.77
(2,2287)	1:57:A:ILE:HG13	1:57:A:ILE:HD13	19	1.77
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	1	1.77
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	10	1.77
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	13	1.77
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	20	1.77
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	16	1.77
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	16	1.77
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	16	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2173)	1:89:A:ILE:HG21	1:89:A:ILE:HB	18	1.77
(2,2173)	1:89:A:ILE:HG22	1:89:A:ILE:HB	18	1.77
(2,2173)	1:89:A:ILE:HG23	1:89:A:ILE:HB	18	1.77
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	11	1.77
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	10	1.77
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	20	1.77
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	2	1.77
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	2	1.77
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	2	1.77
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	10	1.77
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	10	1.77
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	10	1.77
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	14	1.77
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	19	1.77
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	6	1.77
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	7	1.77
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	17	1.77
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	17	1.77
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	17	1.77
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	17	1.77
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	17	1.77
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	17	1.77
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	17	1.77
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	8	1.77
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	8	1.77
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	8	1.77
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	14	1.77
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	14	1.77
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	14	1.77
(2,1948)	1:146:A:HIS:HA	1:146:A:HIS:HB3	19	1.77
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	5	1.77
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	5	1.77
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	5	1.77
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	6	1.77
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	6	1.77
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	6	1.77
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	8	1.77
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	8	1.77
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	8	1.77
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	14	1.77
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	14	1.77
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	14	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	16	1.77
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	16	1.77
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	16	1.77
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	2	1.77
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	3	1.77
(2,1852)	1:135:A:GLY:HA2	1:135:A:GLY:H	17	1.77
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	10	1.77
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	2	1.77
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	10	1.77
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	14	1.77
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	5	1.77
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	8	1.77
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	13	1.77
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	16	1.77
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	10	1.77
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	18	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	1	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	3	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	5	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	6	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	7	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	8	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	9	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	12	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	14	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	17	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	18	1.77
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	19	1.77
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG21	17	1.77
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG22	17	1.77
(2,1464)	1:152:A:GLU:H	1:151:A:ILE:HG23	17	1.77
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	1	1.77
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	1	1.77
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	1	1.77
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	6	1.77
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	6	1.77
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	6	1.77
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	7	1.77
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	7	1.77
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	7	1.77
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	8	1.77
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	8	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	8	1.77
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	10	1.77
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	10	1.77
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	10	1.77
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	13	1.77
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	13	1.77
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	13	1.77
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	18	1.77
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	18	1.77
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	18	1.77
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	1	1.77
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	1	1.77
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	1	1.77
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	7	1.77
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	7	1.77
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	7	1.77
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	5	1.77
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	16	1.77
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	19	1.77
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	1	1.77
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	6	1.77
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	15	1.77
(2,1315)	1:134:A:ILE:HD11	1:134:A:ILE:HB	14	1.77
(2,1315)	1:134:A:ILE:HD12	1:134:A:ILE:HB	14	1.77
(2,1315)	1:134:A:ILE:HD13	1:134:A:ILE:HB	14	1.77
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	17	1.77
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	17	1.77
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	17	1.77
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	1	1.77
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	2	1.77
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	3	1.77
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	5	1.77
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	8	1.77
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	9	1.77
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	11	1.77
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	12	1.77
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	15	1.77
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	16	1.77
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	8	1.77
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	11	1.77
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	14	1.77
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	14	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	10	1.77
(2,1132)	1:135:A:GLY:H	1:134:A:ILE:HA	12	1.77
(2,1129)	1:21:A:ASP:H	1:21:A:ASP:HB2	8	1.77
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	11	1.77
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	11	1.77
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	11	1.77
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	6	1.77
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	6	1.77
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	6	1.77
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	7	1.77
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	7	1.77
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	7	1.77
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	8	1.77
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	8	1.77
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	8	1.77
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	9	1.77
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	9	1.77
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	9	1.77
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	11	1.77
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	11	1.77
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	11	1.77
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	16	1.77
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	16	1.77
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	16	1.77
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	20	1.77
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	20	1.77
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	20	1.77
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	1	1.77
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	17	1.77
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	19	1.77
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	2	1.77
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	2	1.77
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	2	1.77
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	3	1.77
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	3	1.77
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	3	1.77
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	7	1.77
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	7	1.77
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	7	1.77
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	7	1.77
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	12	1.77
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	18	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	18	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	2	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	2	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	2	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	3	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	3	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	3	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	7	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	7	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	7	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	9	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	9	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	9	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	13	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	13	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	13	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG21	19	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG22	19	1.77
(2,780)	1:101:A:ILE:HB	1:101:A:ILE:HG23	19	1.77
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	18	1.77
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	18	1.77
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	18	1.77
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	20	1.77
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	20	1.77
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	20	1.77
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	15	1.77
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	14	1.77
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	9	1.77
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	9	1.77
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	9	1.77
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	11	1.77
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	11	1.77
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	11	1.77
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	2	1.77
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	2	1.77
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	2	1.77
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	7	1.77
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	7	1.77
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	7	1.77
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	17	1.77
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	17	1.77
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	17	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	20	1.77
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	20	1.77
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	20	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	1	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	1	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	1	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	3	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	3	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	3	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	4	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	4	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	4	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	7	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	7	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	7	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	8	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	8	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	8	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	9	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	9	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	9	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	10	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	10	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	10	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	12	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	12	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	12	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	14	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	14	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	14	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	15	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	15	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	15	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	16	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	16	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	16	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	18	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	18	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	18	1.77
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	20	1.77
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	20	1.77
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	20	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	8	1.77
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	8	1.77
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	8	1.77
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	2	1.77
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	5	1.77
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	13	1.77
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	14	1.77
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	16	1.77
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	19	1.77
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	12	1.77
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	12	1.77
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	12	1.77
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	6	1.77
(2,556)	1:114:A:TYR:HB2	1:114:A:TYR:HB3	16	1.77
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	3	1.77
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	3	1.77
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	3	1.77
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	5	1.77
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	5	1.77
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	5	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	1	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	1	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	1	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	2	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	2	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	2	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	6	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	6	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	6	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	7	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	7	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	7	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	8	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	8	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	8	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	9	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	9	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	9	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	10	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	10	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	10	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	11	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	11	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	11	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	12	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	12	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	12	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	14	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	14	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	14	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	15	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	15	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	15	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	16	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	16	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	16	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	18	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	18	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	18	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	19	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	19	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	19	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD11	20	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD12	20	1.77
(2,414)	1:65:A:ILE:HG13	1:65:A:ILE:HD13	20	1.77
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	9	1.77
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	11	1.77
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	14	1.77
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	16	1.77
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	12	1.77
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	12	1.77
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	12	1.77
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	17	1.77
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	17	1.77
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	17	1.77
(2,275)	1:126:A:HIS:HB3	1:115:A:TRP:HE3	13	1.77
(2,253)	1:13:A:ASP:HB2	1:13:A:ASP:HB3	11	1.77
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	14	1.77
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	14	1.77
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	14	1.77
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	3	1.77
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	6	1.77
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	6	1.77
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	6	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	7	1.77
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	7	1.77
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	7	1.77
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	8	1.77
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	8	1.77
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	8	1.77
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	15	1.77
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	15	1.77
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	15	1.77
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	16	1.77
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	8	1.77
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	18	1.77
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	1	1.76
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	1	1.76
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	6	1.76
(2,3184)	1:64:A:SER:HB3	1:64:A:SER:HA	12	1.76
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	1	1.76
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	1	1.76
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	1	1.76
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	20	1.76
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	6	1.76
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	7	1.76
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	10	1.76
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	14	1.76
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	16	1.76
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	18	1.76
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	10	1.76
(2,2962)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	10	1.76
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	3	1.76
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	5	1.76
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	12	1.76
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	11	1.76
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	15	1.76
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	19	1.76
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	16	1.76
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	2	1.76
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	2	1.76
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	2	1.76
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	18	1.76
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	18	1.76
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	18	1.76
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	20	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	20	1.76
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	20	1.76
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	2	1.76
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	2	1.76
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	2	1.76
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	7	1.76
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	7	1.76
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	7	1.76
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	13	1.76
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	13	1.76
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	13	1.76
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	1	1.76
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	14	1.76
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	20	1.76
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	13	1.76
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	13	1.76
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	13	1.76
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	3	1.76
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	5	1.76
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	11	1.76
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	12	1.76
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	19	1.76
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	9	1.76
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	10	1.76
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	15	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	3	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	3	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	3	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	4	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	4	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	4	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	8	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	8	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	8	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	16	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	16	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	16	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	18	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	18	1.76
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	18	1.76
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	10	1.76
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	4	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	4	1.76
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	4	1.76
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	9	1.76
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	9	1.76
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	9	1.76
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	13	1.76
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	13	1.76
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	13	1.76
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	13	1.76
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	13	1.76
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	13	1.76
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	19	1.76
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	19	1.76
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	19	1.76
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	13	1.76
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	4	1.76
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	4	1.76
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	4	1.76
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	10	1.76
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	10	1.76
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	10	1.76
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	20	1.76
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	20	1.76
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	20	1.76
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	5	1.76
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	9	1.76
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	14	1.76
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	2	1.76
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	2	1.76
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	2	1.76
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	7	1.76
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	7	1.76
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	7	1.76
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	9	1.76
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	9	1.76
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	9	1.76
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	12	1.76
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	12	1.76
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	12	1.76
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	13	1.76
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	13	1.76
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	13	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	5	1.76
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	19	1.76
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	16	1.76
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	16	1.76
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	16	1.76
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	20	1.76
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	20	1.76
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	20	1.76
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	2	1.76
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	2	1.76
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	2	1.76
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	2	1.76
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	2	1.76
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	2	1.76
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	2	1.76
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	2	1.76
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	2	1.76
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD11	16	1.76
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD12	16	1.76
(2,2161)	1:65:A:ILE:HG21	1:65:A:ILE:HD13	16	1.76
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD11	16	1.76
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD12	16	1.76
(2,2161)	1:65:A:ILE:HG22	1:65:A:ILE:HD13	16	1.76
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD11	16	1.76
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD12	16	1.76
(2,2161)	1:65:A:ILE:HG23	1:65:A:ILE:HD13	16	1.76
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	2	1.76
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	1	1.76
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	8	1.76
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	9	1.76
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	13	1.76
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	13	1.76
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	13	1.76
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	10	1.76
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	11	1.76
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	13	1.76
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	2	1.76
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	2	1.76
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	2	1.76
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	15	1.76
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	15	1.76
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	15	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	16	1.76
(2,1978)	1:116:A:LEU:HD21	1:116:A:LEU:H	18	1.76
(2,1978)	1:116:A:LEU:HD22	1:116:A:LEU:H	18	1.76
(2,1978)	1:116:A:LEU:HD23	1:116:A:LEU:H	18	1.76
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	15	1.76
(2,1938)	1:4:A:LEU:HD21	1:4:A:LEU:HA	7	1.76
(2,1938)	1:4:A:LEU:HD22	1:4:A:LEU:HA	7	1.76
(2,1938)	1:4:A:LEU:HD23	1:4:A:LEU:HA	7	1.76
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	6	1.76
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	11	1.76
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	11	1.76
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	11	1.76
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	11	1.76
(2,1871)	1:118:A:LEU:HD21	1:118:A:LEU:HG	20	1.76
(2,1871)	1:118:A:LEU:HD22	1:118:A:LEU:HG	20	1.76
(2,1871)	1:118:A:LEU:HD23	1:118:A:LEU:HG	20	1.76
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	11	1.76
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	4	1.76
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	5	1.76
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	3	1.76
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	17	1.76
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	6	1.76
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	9	1.76
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	15	1.76
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	2	1.76
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	2	1.76
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	2	1.76
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	2	1.76
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	10	1.76
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	15	1.76
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	11	1.76
(2,1460)	1:125:A:ILE:HD11	1:125:A:ILE:HB	20	1.76
(2,1460)	1:125:A:ILE:HD12	1:125:A:ILE:HB	20	1.76
(2,1460)	1:125:A:ILE:HD13	1:125:A:ILE:HB	20	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	2	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	2	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	2	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	8	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	8	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	8	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	9	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	9	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	9	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	13	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	13	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	13	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	15	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	15	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	15	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	16	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	16	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	16	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	17	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	17	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	17	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	18	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	18	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	18	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	19	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	19	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	19	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	20	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	20	1.76
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	20	1.76
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	9	1.76
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	9	1.76
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	9	1.76
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	13	1.76
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	16	1.76
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	16	1.76
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	16	1.76
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	19	1.76
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	19	1.76
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	19	1.76
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	4	1.76
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	17	1.76
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	19	1.76
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	20	1.76
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	8	1.76
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	8	1.76
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	8	1.76
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	8	1.76
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	8	1.76
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	8	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	8	1.76
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	8	1.76
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	8	1.76
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	19	1.76
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	19	1.76
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	19	1.76
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	20	1.76
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	20	1.76
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	20	1.76
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	1	1.76
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	1	1.76
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	1	1.76
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	13	1.76
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	13	1.76
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	13	1.76
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	18	1.76
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	8	1.76
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	1	1.76
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	12	1.76
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	2	1.76
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	4	1.76
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	5	1.76
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	5	1.76
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	5	1.76
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	2	1.76
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	5	1.76
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	8	1.76
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	2	1.76
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	8	1.76
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	9	1.76
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	14	1.76
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	11	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	2	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	2	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	2	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	3	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	3	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	3	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	5	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	5	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	5	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	7	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	7	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	7	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	10	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	10	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	10	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	12	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	12	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	12	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	14	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	14	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	14	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	15	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	15	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	15	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	18	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	18	1.76
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	18	1.76
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	17	1.76
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	5	1.76
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	5	1.76
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	5	1.76
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	16	1.76
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	16	1.76
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	16	1.76
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	19	1.76
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	19	1.76
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	19	1.76
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	13	1.76
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	13	1.76
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	13	1.76
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	14	1.76
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	14	1.76
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	14	1.76
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	16	1.76
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	16	1.76
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	16	1.76
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	2	1.76
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	2	1.76
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	2	1.76
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	5	1.76
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	5	1.76
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	5	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	6	1.76
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	6	1.76
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	6	1.76
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	11	1.76
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	11	1.76
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	11	1.76
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	13	1.76
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	13	1.76
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	13	1.76
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	17	1.76
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	17	1.76
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	17	1.76
(2,657)	1:65:A:ILE:HG21	1:65:A:ILE:HB	19	1.76
(2,657)	1:65:A:ILE:HG22	1:65:A:ILE:HB	19	1.76
(2,657)	1:65:A:ILE:HG23	1:65:A:ILE:HB	19	1.76
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	12	1.76
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	11	1.76
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	1	1.76
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	3	1.76
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	9	1.76
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	10	1.76
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	12	1.76
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	15	1.76
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	17	1.76
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	18	1.76
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	20	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	1	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	1	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	1	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	2	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	2	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	2	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	3	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	3	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	3	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	4	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	4	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	4	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	5	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	5	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	5	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	6	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	6	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	6	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	7	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	7	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	7	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	8	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	8	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	8	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	9	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	9	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	9	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	10	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	10	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	10	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	11	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	11	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	11	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	13	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	13	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	13	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	14	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	14	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	14	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	15	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	15	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	15	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	16	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	16	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	16	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	17	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	17	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	17	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	18	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	18	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	18	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	19	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	19	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	19	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	20	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	20	1.76
(2,559)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	20	1.76
(2,537)	1:29:A:LEU:HD21	1:29:A:LEU:HA	13	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,537)	1:29:A:LEU:HD22	1:29:A:LEU:HA	13	1.76
(2,537)	1:29:A:LEU:HD23	1:29:A:LEU:HA	13	1.76
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	5	1.76
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	5	1.76
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	5	1.76
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	1	1.76
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	3	1.76
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	4	1.76
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	6	1.76
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	8	1.76
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	10	1.76
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	12	1.76
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	15	1.76
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	17	1.76
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	18	1.76
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	19	1.76
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	20	1.76
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	8	1.76
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	8	1.76
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	8	1.76
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	13	1.76
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	13	1.76
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	13	1.76
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	17	1.76
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	17	1.76
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	17	1.76
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	10	1.76
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	13	1.76
(2,363)	1:59:A:TYR:HB3	1:59:A:TYR:HA	19	1.76
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	14	1.76
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	14	1.76
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	14	1.76
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	19	1.76
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	19	1.76
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	19	1.76
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	11	1.76
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	18	1.76
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	12	1.76
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	12	1.76
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	12	1.76
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	3	1.76
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	3	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	3	1.76
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	7	1.76
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	7	1.76
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	7	1.76
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	1	1.76
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	1	1.76
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	1	1.76
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	3	1.76
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	3	1.76
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	3	1.76
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	17	1.76
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	17	1.76
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	17	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	1	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	1	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	1	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	2	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	2	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	2	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	3	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	3	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	3	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	5	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	5	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	5	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	7	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	7	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	7	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	10	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	10	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	10	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	13	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	13	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	13	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	19	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	19	1.76
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	19	1.76
(2,219)	1:125:A:ILE:HG21	1:126:A:HIS:H	6	1.76
(2,219)	1:125:A:ILE:HG22	1:126:A:HIS:H	6	1.76
(2,219)	1:125:A:ILE:HG23	1:126:A:HIS:H	6	1.76
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	11	1.76
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	9	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	18	1.76
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	16	1.76
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	14	1.76
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	19	1.76
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	12	1.75
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	20	1.75
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	10	1.75
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	20	1.75
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	13	1.75
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	3	1.75
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	3	1.75
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	14	1.75
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	14	1.75
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	14	1.75
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	7	1.75
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	7	1.75
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	7	1.75
(2,3187)	1:143:A:ILE:HB	1:143:A:ILE:H	20	1.75
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	11	1.75
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	15	1.75
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	18	1.75
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	18	1.75
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	18	1.75
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	20	1.75
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	20	1.75
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	20	1.75
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	6	1.75
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	6	1.75
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	9	1.75
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	9	1.75
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	19	1.75
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	19	1.75
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	3	1.75
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	5	1.75
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	14	1.75
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	19	1.75
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	1	1.75
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	2	1.75
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	4	1.75
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	8	1.75
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	9	1.75
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	11	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	19	1.75
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	20	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	2	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	2	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	2	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	2	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	2	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	2	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	2	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	2	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	2	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	3	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	3	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	3	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	3	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	3	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	3	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	3	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	3	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	3	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	5	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	5	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	5	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	5	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	5	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	5	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	5	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	5	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	5	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	17	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	17	1.75
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	17	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	17	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	17	1.75
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	17	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	17	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	17	1.75
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	17	1.75
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	1	1.75
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	8	1.75
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	9	1.75
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	10	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	14	1.75
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	17	1.75
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	17	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	1	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	1	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	1	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	2	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	2	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	2	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	3	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	3	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	3	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	4	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	4	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	4	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	5	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	5	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	5	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	6	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	6	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	6	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	7	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	7	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	7	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	8	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	8	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	8	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	9	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	9	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	9	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	10	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	10	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	10	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	12	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	12	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	12	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	13	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	13	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	13	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	14	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	14	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	14	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	15	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	15	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	15	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	16	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	16	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	16	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	17	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	17	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	17	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	18	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	18	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	18	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	19	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	19	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	19	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD11	20	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD12	20	1.75
(2,2839)	1:70:A:LEU:HG	1:70:A:LEU:HD13	20	1.75
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	10	1.75
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	10	1.75
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	10	1.75
(2,2825)	1:18:A:ILE:HG21	1:18:A:ILE:HA	14	1.75
(2,2825)	1:18:A:ILE:HG22	1:18:A:ILE:HA	14	1.75
(2,2825)	1:18:A:ILE:HG23	1:18:A:ILE:HA	14	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	1	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	1	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	1	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	2	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	2	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	2	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	3	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	3	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	3	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	4	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	4	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	4	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	5	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	5	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	5	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	6	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	6	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	6	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	7	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	7	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	7	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	8	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	8	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	8	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	9	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	9	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	9	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	10	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	10	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	10	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	11	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	11	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	11	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	12	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	12	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	12	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	13	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	13	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	13	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	14	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	14	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	14	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	15	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	15	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	15	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	16	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	16	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	16	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	17	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	17	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	17	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	18	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	18	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	18	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	19	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	19	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	19	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG21	20	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG22	20	1.75
(2,2822)	1:71:A:THR:HB	1:71:A:THR:HG23	20	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	12	1.75
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	3	1.75
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	8	1.75
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	8	1.75
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	8	1.75
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	15	1.75
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	15	1.75
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	15	1.75
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	13	1.75
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	17	1.75
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	4	1.75
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	4	1.75
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	16	1.75
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	17	1.75
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	20	1.75
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	7	1.75
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	9	1.75
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	13	1.75
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	16	1.75
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	17	1.75
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	3	1.75
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	3	1.75
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	3	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	2	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	2	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	2	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	6	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	6	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	6	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	10	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	10	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	10	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	15	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	15	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	15	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	19	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	19	1.75
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	19	1.75
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG21	8	1.75
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG22	8	1.75
(2,2377)	1:7:A:TYR:H	1:6:A:THR:HG23	8	1.75
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	16	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	16	1.75
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	16	1.75
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	2	1.75
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	15	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	1	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	1	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	1	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	3	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	3	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	3	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	4	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	4	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	4	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	5	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	5	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	5	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	6	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	6	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	6	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	8	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	8	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	8	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	10	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	10	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	10	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	11	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	11	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	11	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	14	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	14	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	14	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	15	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	15	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	15	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	17	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	17	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	17	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	18	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	18	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	18	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	19	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	19	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	19	1.75
(2,2253)	1:93:A:THR:HG21	1:93:A:THR:HB	20	1.75
(2,2253)	1:93:A:THR:HG22	1:93:A:THR:HB	20	1.75
(2,2253)	1:93:A:THR:HG23	1:93:A:THR:HB	20	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	1	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	2	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	3	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	4	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	6	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	7	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	8	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	9	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	10	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	11	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	12	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	13	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	14	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	15	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	16	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	17	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	18	1.75
(2,2242)	1:112:A:GLY:HA2	1:112:A:GLY:HA3	20	1.75
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	5	1.75
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	8	1.75
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	8	1.75
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	8	1.75
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	1	1.75
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	6	1.75
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	10	1.75
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	2	1.75
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	14	1.75
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	18	1.75
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	7	1.75
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	18	1.75
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	5	1.75
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	16	1.75
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	5	1.75
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	5	1.75
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	5	1.75
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	15	1.75
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	15	1.75
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	15	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	20	1.75
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	3	1.75
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	5	1.75
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	5	1.75
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	5	1.75
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	7	1.75
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	7	1.75
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	7	1.75
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	8	1.75
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	8	1.75
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	8	1.75
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	10	1.75
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	10	1.75
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	10	1.75
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	13	1.75
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	13	1.75
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	13	1.75
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	18	1.75
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	18	1.75
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	18	1.75
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	15	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	1	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	2	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	3	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	4	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	5	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	6	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	7	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	8	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	9	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	10	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	11	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	12	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	13	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	14	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	16	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	17	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	18	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	19	1.75
(2,1976)	1:152:A:GLU:HB2	1:152:A:GLU:HB3	20	1.75
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	11	1.75
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	1	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	5	1.75
(2,1909)	1:99:A:TYR:HB3	1:99:A:TYR:HA	15	1.75
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	17	1.75
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	17	1.75
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	17	1.75
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	5	1.75
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	15	1.75
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	16	1.75
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	19	1.75
(2,1605)	1:81:A:THR:HG21	1:81:A:THR:HA	11	1.75
(2,1605)	1:81:A:THR:HG22	1:81:A:THR:HA	11	1.75
(2,1605)	1:81:A:THR:HG23	1:81:A:THR:HA	11	1.75
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	1	1.75
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	2	1.75
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	7	1.75
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	10	1.75
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	6	1.75
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	11	1.75
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	3	1.75
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	3	1.75
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	3	1.75
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	10	1.75
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	10	1.75
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	10	1.75
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	14	1.75
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	14	1.75
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	14	1.75
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	10	1.75
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	10	1.75
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	10	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	2	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	2	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	2	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	10	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	10	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	10	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	11	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	11	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	11	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	14	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	14	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	14	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	16	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	16	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	16	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	17	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	17	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	17	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	18	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	18	1.75
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	18	1.75
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	1	1.75
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	3	1.75
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	4	1.75
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	6	1.75
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	12	1.75
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	14	1.75
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	15	1.75
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	7	1.75
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	11	1.75
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	11	1.75
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	11	1.75
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	5	1.75
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	2	1.75
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	2	1.75
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	2	1.75
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	13	1.75
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	13	1.75
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	13	1.75
(2,1298)	1:126:A:HIS:HB2	1:126:A:HIS:HA	7	1.75
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	16	1.75
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	16	1.75
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	16	1.75
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	10	1.75
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	10	1.75
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG21	9	1.75
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG22	9	1.75
(2,1151)	1:15:A:LEU:HD11	1:26:A:THR:HG23	9	1.75
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG21	9	1.75
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG22	9	1.75
(2,1151)	1:15:A:LEU:HD12	1:26:A:THR:HG23	9	1.75
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG21	9	1.75
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG22	9	1.75
(2,1151)	1:15:A:LEU:HD13	1:26:A:THR:HG23	9	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	2	1.75
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	2	1.75
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	2	1.75
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	4	1.75
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	4	1.75
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	4	1.75
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	9	1.75
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	9	1.75
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	9	1.75
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	14	1.75
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	14	1.75
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	14	1.75
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	3	1.75
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	3	1.75
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	3	1.75
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	4	1.75
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	4	1.75
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	4	1.75
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	12	1.75
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	12	1.75
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	12	1.75
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	14	1.75
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	14	1.75
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	14	1.75
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	15	1.75
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	15	1.75
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	15	1.75
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	19	1.75
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	19	1.75
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	19	1.75
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	4	1.75
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	4	1.75
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	4	1.75
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	14	1.75
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	12	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	2	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	3	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	4	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	5	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	6	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	7	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	9	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	10	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	11	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	12	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	13	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	14	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	15	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	16	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	17	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	18	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	19	1.75
(2,954)	1:49:A:PRO:HD2	1:49:A:PRO:HD3	20	1.75
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	18	1.75
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	7	1.75
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	10	1.75
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	15	1.75
(2,815)	1:11:A:GLN:H	1:10:A:LYS:HB3	6	1.75
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	9	1.75
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	9	1.75
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	9	1.75
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	12	1.75
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	12	1.75
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	12	1.75
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	4	1.75
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	15	1.75
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	20	1.75
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	1	1.75
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	3	1.75
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	4	1.75
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	12	1.75
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	17	1.75
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	4	1.75
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	1	1.75
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	1	1.75
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	1	1.75
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	8	1.75
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	8	1.75
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	8	1.75
(2,697)	1:70:A:LEU:HG	1:70:A:LEU:HA	11	1.75
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	4	1.75
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	4	1.75
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	4	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	4	1.75
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	4	1.75
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	4	1.75
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	12	1.75
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	12	1.75
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	12	1.75
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	2	1.75
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	2	1.75
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	2	1.75
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	4	1.75
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	4	1.75
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	4	1.75
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	15	1.75
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	15	1.75
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	15	1.75
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	4	1.75
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	6	1.75
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	7	1.75
(2,587)	1:22:A:PHE:HA	1:22:A:PHE:HB3	11	1.75
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	14	1.75
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	20	1.75
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	20	1.75
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	20	1.75
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	13	1.75
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	13	1.75
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	13	1.75
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	16	1.75
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	16	1.75
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	16	1.75
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	2	1.75
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	5	1.75
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	7	1.75
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	13	1.75
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	14	1.75
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	16	1.75
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	15	1.75
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	2	1.75
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	2	1.75
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	2	1.75
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	19	1.75
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	19	1.75
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	19	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	20	1.75
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	20	1.75
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	20	1.75
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	8	1.75
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	8	1.75
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	8	1.75
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	10	1.75
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	10	1.75
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	10	1.75
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	18	1.75
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	18	1.75
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	18	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	4	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	4	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	4	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	12	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	12	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	12	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	16	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	16	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	16	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	17	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	17	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	17	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	20	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	20	1.75
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	20	1.75
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	4	1.75
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	4	1.75
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	4	1.75
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	19	1.75
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	19	1.75
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	19	1.75
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	7	1.75
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	4	1.75
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	4	1.75
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	4	1.75
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	5	1.75
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	5	1.75
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	5	1.75
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	16	1.75
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	16	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	16	1.75
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	17	1.75
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	17	1.75
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	17	1.75
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	15	1.75
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	4	1.75
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	4	1.75
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	4	1.75
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	15	1.75
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	15	1.75
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	15	1.75
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	20	1.75
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	20	1.75
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	20	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	4	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	4	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	4	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	6	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	6	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	6	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	15	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	15	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	15	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	18	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	18	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	18	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	20	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	20	1.75
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	20	1.75
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	1	1.75
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	1	1.75
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	1	1.75
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	9	1.75
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	9	1.75
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	9	1.75
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	12	1.75
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	12	1.75
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	12	1.75
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	19	1.75
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	19	1.75
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	19	1.75
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	11	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	18	1.75
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	15	1.75
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	4	1.75
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	5	1.75
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	7	1.75
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	7	1.75
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	8	1.74
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	7	1.74
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	17	1.74
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	17	1.74
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	17	1.74
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	9	1.74
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	9	1.74
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	4	1.74
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	17	1.74
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	15	1.74
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	6	1.74
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	6	1.74
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	6	1.74
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	8	1.74
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	8	1.74
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	8	1.74
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	19	1.74
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	19	1.74
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	19	1.74
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	2	1.74
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	10	1.74
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	13	1.74
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	15	1.74
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	17	1.74
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	18	1.74
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	1	1.74
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	1	1.74
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	1	1.74
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	1	1.74
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	1	1.74
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	1	1.74
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	1	1.74
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	1	1.74
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	1	1.74
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	7	1.74
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	7	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	7	1.74
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	7	1.74
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	7	1.74
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	7	1.74
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	7	1.74
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	7	1.74
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	7	1.74
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	3	1.74
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	2	1.74
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	1	1.74
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	3	1.74
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	5	1.74
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	12	1.74
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	19	1.74
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	9	1.74
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	9	1.74
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	9	1.74
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG21	19	1.74
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG22	19	1.74
(2,2740)	1:63:A:VAL:HA	1:63:A:VAL:HG23	19	1.74
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	10	1.74
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	10	1.74
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	10	1.74
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	8	1.74
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	8	1.74
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	8	1.74
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	14	1.74
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	8	1.74
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	8	1.74
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	8	1.74
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	8	1.74
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	19	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	1	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	1	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	1	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	7	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	7	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	7	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	11	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	11	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	11	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	12	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	12	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	12	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	13	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	13	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	13	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	14	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	14	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	14	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	17	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	17	1.74
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	17	1.74
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	15	1.74
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	15	1.74
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	4	1.74
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	5	1.74
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	6	1.74
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	6	1.74
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	6	1.74
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	15	1.74
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	15	1.74
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	15	1.74
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	18	1.74
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	18	1.74
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	18	1.74
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	9	1.74
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	2	1.74
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	2	1.74
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	2	1.74
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	9	1.74
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	9	1.74
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	9	1.74
(2,2255)	1:64:A:SER:HB3	1:64:A:SER:HA	12	1.74
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	6	1.74
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	17	1.74
(2,2140)	1:116:A:LEU:HB3	1:116:A:LEU:HA	11	1.74
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	8	1.74
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	12	1.74
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	13	1.74
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	1	1.74
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	7	1.74
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	7	1.74
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	7	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	16	1.74
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	16	1.74
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	16	1.74
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	17	1.74
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	17	1.74
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	17	1.74
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	2	1.74
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	5	1.74
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	6	1.74
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	7	1.74
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	9	1.74
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	8	1.74
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	1	1.74
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	1	1.74
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	1	1.74
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	3	1.74
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	3	1.74
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	3	1.74
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	12	1.74
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	12	1.74
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	12	1.74
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	16	1.74
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	16	1.74
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	16	1.74
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	17	1.74
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	17	1.74
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	17	1.74
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	5	1.74
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	1	1.74
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	3	1.74
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	4	1.74
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	7	1.74
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	11	1.74
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	12	1.74
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	19	1.74
(2,2015)	1:118:A:LEU:HD21	1:118:A:LEU:HA	4	1.74
(2,2015)	1:118:A:LEU:HD22	1:118:A:LEU:HA	4	1.74
(2,2015)	1:118:A:LEU:HD23	1:118:A:LEU:HA	4	1.74
(2,2015)	1:118:A:LEU:HD11	1:118:A:LEU:HA	4	1.74
(2,2015)	1:118:A:LEU:HD12	1:118:A:LEU:HA	4	1.74
(2,2015)	1:118:A:LEU:HD13	1:118:A:LEU:HA	4	1.74
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	7	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	19	1.74
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	9	1.74
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	9	1.74
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	9	1.74
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	3	1.74
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	19	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	1	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	2	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	3	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	4	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	6	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	7	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	8	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	9	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	10	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	12	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	13	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	14	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	17	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	18	1.74
(2,1667)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	20	1.74
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	8	1.74
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	19	1.74
(2,1643)	1:72:A:LEU:HB2	1:72:A:LEU:HA	3	1.74
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	8	1.74
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	8	1.74
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	8	1.74
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	10	1.74
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	10	1.74
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	10	1.74
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	11	1.74
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	10	1.74
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	19	1.74
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	12	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	1	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	1	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	1	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	4	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	4	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	4	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	5	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	5	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	5	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	6	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	6	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	6	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	7	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	7	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	7	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	8	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	8	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	8	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	9	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	9	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	9	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	10	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	10	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	10	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	14	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	14	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	14	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	15	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	15	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	15	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	16	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	16	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	16	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	18	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	18	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	18	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	19	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	19	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	19	1.74
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	20	1.74
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	20	1.74
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	20	1.74
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	1	1.74
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	5	1.74
(2,1483)	1:99:A:TYR:HB3	1:99:A:TYR:HA	15	1.74
(2,1475)	1:159:A:ASN:HA	1:159:A:ASN:H	16	1.74
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	4	1.74
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	4	1.74
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	4	1.74
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	20	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	20	1.74
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	20	1.74
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	5	1.74
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	5	1.74
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	5	1.74
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	6	1.74
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	6	1.74
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	6	1.74
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	13	1.74
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	13	1.74
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	13	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	1	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	1	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	1	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	7	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	7	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	7	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	8	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	8	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	8	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	12	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	12	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	12	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	13	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	13	1.74
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	13	1.74
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	3	1.74
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	7	1.74
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	8	1.74
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	10	1.74
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	13	1.74
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	14	1.74
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	16	1.74
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	17	1.74
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	18	1.74
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	20	1.74
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	10	1.74
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	20	1.74
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	20	1.74
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	20	1.74
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	20	1.74
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	12	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	19	1.74
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	11	1.74
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	7	1.74
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	12	1.74
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	12	1.74
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	12	1.74
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	12	1.74
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	12	1.74
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	17	1.74
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	17	1.74
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	17	1.74
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	12	1.74
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	12	1.74
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	12	1.74
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	6	1.74
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	11	1.74
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	19	1.74
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	2	1.74
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	12	1.74
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	5	1.74
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	20	1.74
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	4	1.74
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	4	1.74
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	4	1.74
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	15	1.74
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	15	1.74
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	15	1.74
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	14	1.74
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	16	1.74
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	14	1.74
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	14	1.74
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	14	1.74
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	5	1.74
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	13	1.74
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	17	1.74
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	19	1.74
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	20	1.74
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	1	1.74
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	1	1.74
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	1	1.74
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	3	1.74
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	3	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	3	1.74
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	5	1.74
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	5	1.74
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	5	1.74
(2,677)	1:78:A:VAL:HG11	1:78:A:VAL:HA	11	1.74
(2,677)	1:78:A:VAL:HG12	1:78:A:VAL:HA	11	1.74
(2,677)	1:78:A:VAL:HG13	1:78:A:VAL:HA	11	1.74
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	17	1.74
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	6	1.74
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	6	1.74
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	6	1.74
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	7	1.74
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	7	1.74
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	7	1.74
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	11	1.74
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	11	1.74
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	11	1.74
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	12	1.74
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	12	1.74
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	12	1.74
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	14	1.74
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	14	1.74
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	14	1.74
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	16	1.74
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	16	1.74
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	16	1.74
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	8	1.74
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	8	1.74
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	8	1.74
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	19	1.74
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	19	1.74
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	19	1.74
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	2	1.74
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	2	1.74
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	2	1.74
(2,467)	1:18:A:ILE:HG13	1:18:A:ILE:HB	9	1.74
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	12	1.74
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	12	1.74
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	12	1.74
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	9	1.74
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	9	1.74
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	9	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	13	1.74
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	13	1.74
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	13	1.74
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	7	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	1	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	1	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	1	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	2	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	2	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	2	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	3	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	3	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	3	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	5	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	5	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	5	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	6	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	6	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	6	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	7	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	7	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	7	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	8	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	8	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	8	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	9	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	9	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	9	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	10	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	10	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	10	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	11	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	11	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	11	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	13	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	13	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	13	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	14	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	14	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	14	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	15	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	15	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	15	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	18	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	18	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	18	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD11	19	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD12	19	1.74
(2,276)	1:151:A:ILE:HG13	1:151:A:ILE:HD13	19	1.74
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	13	1.74
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	2	1.74
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	2	1.74
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	2	1.74
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	13	1.74
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	13	1.74
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	13	1.74
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	19	1.74
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	19	1.74
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	19	1.74
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	11	1.74
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	11	1.74
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	11	1.74
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	14	1.74
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	14	1.74
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	14	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	9	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	9	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	9	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	11	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	11	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	11	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	12	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	12	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	12	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	14	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	14	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	14	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG21	16	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG22	16	1.74
(2,222)	1:151:A:ILE:HA	1:151:A:ILE:HG23	16	1.74
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	5	1.74
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	5	1.74
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	5	1.74
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	7	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	7	1.74
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	7	1.74
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	8	1.74
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	8	1.74
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	8	1.74
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	11	1.74
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	11	1.74
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	11	1.74
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	13	1.74
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	13	1.74
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	13	1.74
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	17	1.74
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	17	1.74
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	17	1.74
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	18	1.74
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	18	1.74
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	18	1.74
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	20	1.74
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	20	1.74
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	20	1.74
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	15	1.74
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	5	1.74
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	19	1.74
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	9	1.74
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	3	1.74
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	7	1.74
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	10	1.73
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	1	1.73
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	10	1.73
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	17	1.73
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	5	1.73
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	6	1.73
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	5	1.73
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	5	1.73
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	5	1.73
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	5	1.73
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	5	1.73
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	5	1.73
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	8	1.73
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	8	1.73
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	8	1.73
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	8	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	8	1.73
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	8	1.73
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	16	1.73
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	16	1.73
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	16	1.73
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	16	1.73
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	16	1.73
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	16	1.73
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	2	1.73
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	18	1.73
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	11	1.73
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	11	1.73
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	11	1.73
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	7	1.73
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	7	1.73
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	7	1.73
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	9	1.73
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	9	1.73
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	9	1.73
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	10	1.73
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	10	1.73
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	10	1.73
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	15	1.73
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	15	1.73
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	15	1.73
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	3	1.73
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	3	1.73
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	8	1.73
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	8	1.73
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	15	1.73
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	4	1.73
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	7	1.73
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	8	1.73
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	12	1.73
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	3	1.73
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	4	1.73
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	4	1.73
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	4	1.73
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	4	1.73
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	4	1.73
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	4	1.73
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	4	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	4	1.73
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	4	1.73
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	11	1.73
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	11	1.73
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	11	1.73
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	11	1.73
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	11	1.73
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	11	1.73
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	11	1.73
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	11	1.73
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	11	1.73
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	16	1.73
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	16	1.73
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	16	1.73
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	16	1.73
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	16	1.73
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	16	1.73
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	16	1.73
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	16	1.73
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	16	1.73
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	8	1.73
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	15	1.73
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	15	1.73
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	15	1.73
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	13	1.73
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	4	1.73
(2,2886)	1:52:A:PRO:HD3	1:51:A:LEU:HD21	20	1.73
(2,2886)	1:52:A:PRO:HD3	1:51:A:LEU:HD22	20	1.73
(2,2886)	1:52:A:PRO:HD3	1:51:A:LEU:HD23	20	1.73
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	5	1.73
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	1	1.73
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	2	1.73
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	5	1.73
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	7	1.73
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	10	1.73
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	15	1.73
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	2	1.73
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	10	1.73
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	5	1.73
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	5	1.73
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	5	1.73
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	2	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	2	1.73
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	2	1.73
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	4	1.73
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	4	1.73
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	4	1.73
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	6	1.73
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	6	1.73
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	6	1.73
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	10	1.73
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	10	1.73
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	10	1.73
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	14	1.73
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	14	1.73
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	14	1.73
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	15	1.73
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	15	1.73
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	15	1.73
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	16	1.73
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	16	1.73
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	16	1.73
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	18	1.73
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	18	1.73
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	18	1.73
(2,2645)	1:162:A:ARG:HA	1:163:A:VAL:H	2	1.73
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	20	1.73
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	20	1.73
(2,2590)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	20	1.73
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	20	1.73
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	20	1.73
(2,2590)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	20	1.73
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	20	1.73
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	20	1.73
(2,2590)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	20	1.73
(2,2588)	1:54:A:PRO:HD3	1:5:A:LEU:HG	15	1.73
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	7	1.73
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	11	1.73
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	2	1.73
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	2	1.73
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	2	1.73
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	4	1.73
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	4	1.73
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	4	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	6	1.73
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	6	1.73
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	6	1.73
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	10	1.73
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	10	1.73
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	10	1.73
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	14	1.73
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	14	1.73
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	14	1.73
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	15	1.73
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	15	1.73
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	15	1.73
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	16	1.73
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	16	1.73
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	16	1.73
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	18	1.73
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	18	1.73
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	18	1.73
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	2	1.73
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	9	1.73
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	14	1.73
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	8	1.73
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	1	1.73
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	5	1.73
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	5	1.73
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	5	1.73
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	5	1.73
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	5	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	1	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	2	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	3	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	4	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	5	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	6	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	7	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	8	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	9	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	10	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	11	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	12	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	13	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	14	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	16	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	17	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	18	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	19	1.73
(2,2448)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	20	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	1	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	2	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	3	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	6	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	7	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	8	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	9	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	10	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	11	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	12	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	13	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	14	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	15	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	16	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	17	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	18	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	19	1.73
(2,2422)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	20	1.73
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	16	1.73
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	16	1.73
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	16	1.73
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	19	1.73
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	19	1.73
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	19	1.73
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	4	1.73
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	17	1.73
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	17	1.73
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	17	1.73
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	19	1.73
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	19	1.73
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	19	1.73
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	15	1.73
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	12	1.73
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	18	1.73
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	10	1.73
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	4	1.73
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	18	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	20	1.73
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	4	1.73
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	4	1.73
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	4	1.73
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	6	1.73
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	6	1.73
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	6	1.73
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	18	1.73
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	18	1.73
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	18	1.73
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	15	1.73
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	16	1.73
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	4	1.73
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	4	1.73
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	4	1.73
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	4	1.73
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	6	1.73
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	6	1.73
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	6	1.73
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	14	1.73
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	14	1.73
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	14	1.73
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	20	1.73
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	20	1.73
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	20	1.73
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	19	1.73
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	20	1.73
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	20	1.73
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	20	1.73
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	5	1.73
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	13	1.73
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	15	1.73
(2,2000)	1:146:A:HIS:H	1:145:A:MET:HB2	12	1.73
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	20	1.73
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	20	1.73
(2,1910)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	20	1.73
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	10	1.73
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	18	1.73
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	10	1.73
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	14	1.73
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	7	1.73
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	7	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	7	1.73
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	8	1.73
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	8	1.73
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	8	1.73
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	4	1.73
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	11	1.73
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	1	1.73
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	15	1.73
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	18	1.73
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	18	1.73
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	18	1.73
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	3	1.73
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	14	1.73
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	20	1.73
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	16	1.73
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	17	1.73
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	3	1.73
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	3	1.73
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	3	1.73
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	11	1.73
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	11	1.73
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	11	1.73
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	12	1.73
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	12	1.73
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	12	1.73
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	13	1.73
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	13	1.73
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	13	1.73
(2,1491)	1:86:A:VAL:HG11	1:86:A:VAL:HB	17	1.73
(2,1491)	1:86:A:VAL:HG12	1:86:A:VAL:HB	17	1.73
(2,1491)	1:86:A:VAL:HG13	1:86:A:VAL:HB	17	1.73
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	16	1.73
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	16	1.73
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	16	1.73
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	8	1.73
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	8	1.73
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	8	1.73
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	19	1.73
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	19	1.73
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	19	1.73
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	3	1.73
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	3	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	3	1.73
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	4	1.73
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	4	1.73
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	4	1.73
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	6	1.73
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	6	1.73
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	6	1.73
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	9	1.73
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	9	1.73
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	9	1.73
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	7	1.73
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	16	1.73
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	19	1.73
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	1	1.73
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	2	1.73
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	4	1.73
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	5	1.73
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	6	1.73
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	9	1.73
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	11	1.73
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	12	1.73
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	15	1.73
(2,1384)	1:107:A:PRO:HD2	1:107:A:PRO:HD3	19	1.73
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	9	1.73
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	9	1.73
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	9	1.73
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	10	1.73
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	10	1.73
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	10	1.73
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	15	1.73
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	15	1.73
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	15	1.73
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	1	1.73
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	3	1.73
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	4	1.73
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	5	1.73
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	6	1.73
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	8	1.73
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	10	1.73
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	13	1.73
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	16	1.73
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	17	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	18	1.73
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	10	1.73
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	10	1.73
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	10	1.73
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	12	1.73
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	12	1.73
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	12	1.73
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	20	1.73
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	20	1.73
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	20	1.73
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	2	1.73
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	13	1.73
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	13	1.73
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	18	1.73
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	18	1.73
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	18	1.73
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	1	1.73
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	1	1.73
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	1	1.73
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	6	1.73
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	6	1.73
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	6	1.73
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	8	1.73
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	17	1.73
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	17	1.73
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	17	1.73
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	14	1.73
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	4	1.73
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	11	1.73
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	11	1.73
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	14	1.73
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	9	1.73
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	3	1.73
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	3	1.73
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	3	1.73
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	17	1.73
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	13	1.73
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	10	1.73
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	10	1.73
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	10	1.73
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	10	1.73
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	20	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	20	1.73
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	20	1.73
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	20	1.73
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	8	1.73
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	9	1.73
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	12	1.73
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	2	1.73
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	2	1.73
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	2	1.73
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	7	1.73
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	7	1.73
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	7	1.73
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	13	1.73
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	13	1.73
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	13	1.73
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	14	1.73
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	14	1.73
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	14	1.73
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	15	1.73
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	15	1.73
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	15	1.73
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	17	1.73
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	17	1.73
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	17	1.73
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	18	1.73
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	18	1.73
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	18	1.73
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	6	1.73
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	16	1.73
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	1	1.73
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	1	1.73
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	1	1.73
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	3	1.73
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	3	1.73
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	3	1.73
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	5	1.73
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	5	1.73
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	5	1.73
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	18	1.73
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	18	1.73
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	18	1.73
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	19	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	19	1.73
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	19	1.73
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	20	1.73
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	20	1.73
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	20	1.73
(2,537)	1:29:A:LEU:HD21	1:29:A:LEU:HA	12	1.73
(2,537)	1:29:A:LEU:HD22	1:29:A:LEU:HA	12	1.73
(2,537)	1:29:A:LEU:HD23	1:29:A:LEU:HA	12	1.73
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	7	1.73
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	7	1.73
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	7	1.73
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	19	1.73
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	19	1.73
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	19	1.73
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	12	1.73
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	12	1.73
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	12	1.73
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	14	1.73
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	14	1.73
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	14	1.73
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	16	1.73
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	16	1.73
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	16	1.73
(2,425)	1:72:A:LEU:HB3	1:72:A:LEU:H	3	1.73
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	6	1.73
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	6	1.73
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	6	1.73
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	6	1.73
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	9	1.73
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	3	1.73
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	12	1.73
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	3	1.73
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	3	1.73
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	3	1.73
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	15	1.73
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	3	1.73
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	3	1.73
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	3	1.73
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	9	1.73
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	9	1.73
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	9	1.73
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	20	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	20	1.73
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	20	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	6	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	6	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	6	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	8	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	8	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	8	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	10	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	10	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	10	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	12	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	12	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	12	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	18	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	18	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	18	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	20	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	20	1.73
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	20	1.73
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	2	1.73
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	2	1.73
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	2	1.73
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	2	1.73
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	2	1.73
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	2	1.73
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	3	1.73
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	3	1.73
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	3	1.73
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	4	1.73
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	4	1.73
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	4	1.73
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	6	1.73
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	6	1.73
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	6	1.73
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	10	1.73
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	10	1.73
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	10	1.73
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	14	1.73
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	14	1.73
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	14	1.73
(2,189)	1:156:A:ILE:HG21	1:156:A:ILE:HG12	16	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,189)	1:156:A:ILE:HG22	1:156:A:ILE:HG12	16	1.73
(2,189)	1:156:A:ILE:HG23	1:156:A:ILE:HG12	16	1.73
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	20	1.73
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	3	1.73
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	6	1.73
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	4	1.73
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	4	1.73
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	4	1.73
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	16	1.73
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	16	1.73
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	16	1.73
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	20	1.73
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	20	1.73
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	20	1.73
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	4	1.72
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	6	1.72
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	4	1.72
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	11	1.72
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	11	1.72
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	11	1.72
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	18	1.72
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	18	1.72
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	18	1.72
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	5	1.72
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	5	1.72
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	12	1.72
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	12	1.72
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	9	1.72
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	9	1.72
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	9	1.72
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	20	1.72
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	20	1.72
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	20	1.72
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	11	1.72
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	14	1.72
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	17	1.72
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	17	1.72
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	17	1.72
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	17	1.72
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	17	1.72
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	17	1.72
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	20	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	20	1.72
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	20	1.72
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	20	1.72
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	20	1.72
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	20	1.72
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	11	1.72
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	20	1.72
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	11	1.72
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	11	1.72
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	11	1.72
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	13	1.72
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	13	1.72
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	18	1.72
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	18	1.72
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	4	1.72
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	15	1.72
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	20	1.72
(2,3041)	1:159:A:ASN:HB3	1:159:A:ASN:HA	9	1.72
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	5	1.72
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	13	1.72
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	9	1.72
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	15	1.72
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	9	1.72
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	9	1.72
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	9	1.72
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	14	1.72
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	13	1.72
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	8	1.72
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	1	1.72
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	18	1.72
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	16	1.72
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	6	1.72
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	8	1.72
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	17	1.72
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	18	1.72
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	3	1.72
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	3	1.72
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	3	1.72
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	1	1.72
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	1	1.72
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	1	1.72
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	3	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	3	1.72
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	3	1.72
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	5	1.72
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	5	1.72
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	5	1.72
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	9	1.72
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	9	1.72
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	9	1.72
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	17	1.72
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	17	1.72
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	17	1.72
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	19	1.72
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	19	1.72
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	19	1.72
(2,2670)	1:65:A:ILE:HG12	1:65:A:ILE:HB	17	1.72
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	16	1.72
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	2	1.72
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	3	1.72
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	5	1.72
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	15	1.72
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	1	1.72
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	1	1.72
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	1	1.72
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	3	1.72
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	3	1.72
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	3	1.72
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	5	1.72
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	5	1.72
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	5	1.72
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	9	1.72
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	9	1.72
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	9	1.72
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	17	1.72
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	17	1.72
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	17	1.72
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	19	1.72
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	19	1.72
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	19	1.72
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	1	1.72
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	18	1.72
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	3	1.72
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	13	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	5	1.72
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	18	1.72
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	5	1.72
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	5	1.72
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	5	1.72
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	11	1.72
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	11	1.72
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	11	1.72
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	11	1.72
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	19	1.72
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	10	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	5	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	5	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	5	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	5	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	5	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	5	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	5	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	5	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	5	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	10	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	10	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	10	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	10	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	10	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	10	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	10	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	10	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	10	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	11	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	11	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	11	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	11	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	11	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	11	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	11	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	11	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	11	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	16	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	16	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	16	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	16	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	16	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	16	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	16	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	16	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	16	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	20	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	20	1.72
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	20	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	20	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	20	1.72
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	20	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	20	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	20	1.72
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	20	1.72
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	2	1.72
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	5	1.72
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	2	1.72
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	13	1.72
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	14	1.72
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	3	1.72
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	3	1.72
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	3	1.72
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	8	1.72
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	19	1.72
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	19	1.72
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	19	1.72
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	5	1.72
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	5	1.72
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	5	1.72
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	9	1.72
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	9	1.72
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	9	1.72
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	19	1.72
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	19	1.72
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	19	1.72
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	2	1.72
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	8	1.72
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	9	1.72
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	14	1.72
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	16	1.72
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	17	1.72
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	18	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	16	1.72
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	16	1.72
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	16	1.72
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	11	1.72
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	11	1.72
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	12	1.72
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	17	1.72
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	1	1.72
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	1	1.72
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	1	1.72
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	6	1.72
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	6	1.72
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	6	1.72
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	12	1.72
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	12	1.72
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	12	1.72
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	17	1.72
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	17	1.72
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	17	1.72
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	19	1.72
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	19	1.72
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	19	1.72
(2,1686)	1:167:A:ARG:HB2	1:167:A:ARG:H	13	1.72
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	3	1.72
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	6	1.72
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	18	1.72
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	9	1.72
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	10	1.72
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	13	1.72
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	19	1.72
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	18	1.72
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	5	1.72
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	13	1.72
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	19	1.72
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	4	1.72
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	20	1.72
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	11	1.72
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	4	1.72
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	4	1.72
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	4	1.72
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	5	1.72
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	5	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	5	1.72
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	13	1.72
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	13	1.72
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	13	1.72
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	17	1.72
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	17	1.72
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	17	1.72
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	1	1.72
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	1	1.72
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	1	1.72
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	2	1.72
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	2	1.72
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	2	1.72
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	7	1.72
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	7	1.72
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	7	1.72
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	8	1.72
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	8	1.72
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	8	1.72
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	15	1.72
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	15	1.72
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	15	1.72
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	6	1.72
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	9	1.72
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	10	1.72
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	14	1.72
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	14	1.72
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	14	1.72
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	5	1.72
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	5	1.72
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	5	1.72
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	15	1.72
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	15	1.72
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	15	1.72
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	19	1.72
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	19	1.72
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	19	1.72
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	10	1.72
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	20	1.72
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	3	1.72
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	3	1.72
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	3	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	3	1.72
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	4	1.72
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	4	1.72
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	4	1.72
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	7	1.72
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	7	1.72
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	7	1.72
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	8	1.72
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	8	1.72
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	8	1.72
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	18	1.72
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	18	1.72
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	18	1.72
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	7	1.72
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	2	1.72
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	2	1.72
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	2	1.72
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	14	1.72
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	17	1.72
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	1	1.72
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	1	1.72
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	1	1.72
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	7	1.72
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	7	1.72
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	15	1.72
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	20	1.72
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	16	1.72
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	16	1.72
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	16	1.72
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	17	1.72
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	17	1.72
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	17	1.72
(2,1078)	1:143:A:ILE:HG21	1:144:A:ARG:H	2	1.72
(2,1078)	1:143:A:ILE:HG22	1:144:A:ARG:H	2	1.72
(2,1078)	1:143:A:ILE:HG23	1:144:A:ARG:H	2	1.72
(2,1062)	1:145:A:MET:HB3	1:145:A:MET:HG2	12	1.72
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	11	1.72
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	11	1.72
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	11	1.72
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	15	1.72
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	16	1.72
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	1	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	16	1.72
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	11	1.72
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	8	1.72
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	16	1.72
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	6	1.72
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	11	1.72
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	7	1.72
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	19	1.72
(2,753)	1:148:A:LYS:HG2	1:148:A:LYS:H	3	1.72
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	2	1.72
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	7	1.72
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	9	1.72
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	9	1.72
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	9	1.72
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	10	1.72
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	13	1.72
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	20	1.72
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	20	1.72
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	20	1.72
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	3	1.72
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	13	1.72
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	10	1.72
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	10	1.72
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	10	1.72
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	13	1.72
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	13	1.72
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	13	1.72
(2,590)	1:18:A:ILE:HD11	1:18:A:ILE:H	17	1.72
(2,590)	1:18:A:ILE:HD12	1:18:A:ILE:H	17	1.72
(2,590)	1:18:A:ILE:HD13	1:18:A:ILE:H	17	1.72
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	1	1.72
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	15	1.72
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	18	1.72
(2,537)	1:29:A:LEU:HD21	1:29:A:LEU:HA	7	1.72
(2,537)	1:29:A:LEU:HD22	1:29:A:LEU:HA	7	1.72
(2,537)	1:29:A:LEU:HD23	1:29:A:LEU:HA	7	1.72
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	13	1.72
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	13	1.72
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	13	1.72
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	20	1.72
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	20	1.72
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	20	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	12	1.72
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	15	1.72
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	15	1.72
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	15	1.72
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	11	1.72
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	9	1.72
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	10	1.72
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	13	1.72
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	17	1.72
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	19	1.72
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	5	1.72
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	5	1.72
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	5	1.72
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	13	1.72
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	13	1.72
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	13	1.72
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	17	1.72
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	17	1.72
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	17	1.72
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	9	1.72
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	9	1.72
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	9	1.72
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	11	1.72
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	11	1.72
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	11	1.72
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG21	14	1.72
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG22	14	1.72
(2,240)	1:46:A:ILE:HG12	1:46:A:ILE:HG23	14	1.72
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	8	1.72
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	13	1.72
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	13	1.72
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	13	1.72
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	4	1.72
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	2	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	1	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	2	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	3	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	4	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	5	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	6	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	7	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	8	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	9	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	10	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	11	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	12	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	13	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	14	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	15	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	16	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	17	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	18	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	19	1.72
(2,128)	1:160:A:GLY:HA2	1:160:A:GLY:HA3	20	1.72
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	20	1.72
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	2	1.72
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	6	1.72
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	6	1.72
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	9	1.72
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	9	1.72
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	5	1.71
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	8	1.71
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	14	1.71
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	8	1.71
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	14	1.71
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	10	1.71
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	10	1.71
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	10	1.71
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	13	1.71
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	13	1.71
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	13	1.71
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	1	1.71
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	4	1.71
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	7	1.71
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	14	1.71
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	7	1.71
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	10	1.71
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	10	1.71
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	14	1.71
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	14	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	1	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	2	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	3	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	5	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	6	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	7	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	8	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	9	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	10	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	11	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	12	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	13	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	14	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	16	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	17	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	18	1.71
(2,3099)	1:147:A:ASN:HB2	1:147:A:ASN:HB3	19	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	1	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	1	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	1	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	2	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	2	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	2	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	3	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	3	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	3	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	4	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	4	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	4	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	5	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	5	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	5	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	6	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	6	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	6	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	7	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	7	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	7	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	8	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	8	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	8	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	9	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	9	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	9	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	10	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	10	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	10	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	11	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	11	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	11	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	12	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	12	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	12	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	13	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	13	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	13	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	14	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	14	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	14	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	15	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	15	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	15	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	16	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	16	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	16	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	17	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	17	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	17	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	18	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	18	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	18	1.71
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	20	1.71
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	20	1.71
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	20	1.71
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	3	1.71
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	3	1.71
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	3	1.71
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	7	1.71
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	7	1.71
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	7	1.71
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	13	1.71
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	13	1.71
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	13	1.71
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	1	1.71
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	1	1.71
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	1	1.71
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	11	1.71
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	11	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	11	1.71
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	14	1.71
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	14	1.71
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	14	1.71
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	20	1.71
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	20	1.71
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	20	1.71
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	7	1.71
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	6	1.71
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	15	1.71
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	9	1.71
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	9	1.71
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	9	1.71
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	3	1.71
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	19	1.71
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	11	1.71
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	4	1.71
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	9	1.71
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	12	1.71
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	13	1.71
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	16	1.71
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	20	1.71
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	13	1.71
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	14	1.71
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	6	1.71
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	11	1.71
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	6	1.71
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	6	1.71
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	6	1.71
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	14	1.71
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	14	1.71
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	14	1.71
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	1	1.71
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	3	1.71
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	4	1.71
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	6	1.71
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	8	1.71
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	12	1.71
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	14	1.71
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	19	1.71
(2,2685)	1:9:A:VAL:HG21	1:9:A:VAL:HA	12	1.71
(2,2685)	1:9:A:VAL:HG22	1:9:A:VAL:HA	12	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2685)	1:9:A:VAL:HG23	1:9:A:VAL:HA	12	1.71
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	1	1.71
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	6	1.71
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	8	1.71
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	9	1.71
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	10	1.71
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	12	1.71
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	13	1.71
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	18	1.71
(2,2575)	1:9:A:VAL:HG21	1:9:A:VAL:HA	12	1.71
(2,2575)	1:9:A:VAL:HG22	1:9:A:VAL:HA	12	1.71
(2,2575)	1:9:A:VAL:HG23	1:9:A:VAL:HA	12	1.71
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	3	1.71
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	5	1.71
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	8	1.71
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	11	1.71
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	12	1.71
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	13	1.71
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	6	1.71
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	14	1.71
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	7	1.71
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	7	1.71
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	7	1.71
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG21	20	1.71
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG22	20	1.71
(2,2465)	1:71:A:THR:HA	1:71:A:THR:HG23	20	1.71
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	16	1.71
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	16	1.71
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	16	1.71
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	14	1.71
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	17	1.71
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	17	1.71
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	17	1.71
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	7	1.71
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	7	1.71
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	7	1.71
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE1	11	1.71
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE2	11	1.71
(2,2307)	1:82:A:TYR:HB3	1:145:A:MET:HE3	11	1.71
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	8	1.71
(2,2299)	1:91:A:THR:HG21	1:91:A:THR:HA	5	1.71
(2,2299)	1:91:A:THR:HG22	1:91:A:THR:HA	5	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2299)	1:91:A:THR:HG23	1:91:A:THR:HA	5	1.71
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	10	1.71
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	15	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	1	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	1	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	1	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	1	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	1	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	1	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	1	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	1	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	1	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	3	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	3	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	3	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	3	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	3	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	3	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	3	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	3	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	3	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	4	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	4	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	4	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	4	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	4	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	4	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	4	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	4	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	4	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	7	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	7	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	7	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	7	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	7	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	7	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	7	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	7	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	7	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	13	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	13	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	13	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	13	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	13	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	13	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	13	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	13	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	13	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	14	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	14	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	14	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	14	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	14	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	14	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	14	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	14	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	14	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	17	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	17	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	17	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	17	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	17	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	17	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	17	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	17	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	17	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	18	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	18	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	18	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	18	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	18	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	18	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	18	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	18	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	18	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	19	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	19	1.71
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	19	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	19	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	19	1.71
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	19	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	19	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	19	1.71
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	19	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	10	1.71
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	10	1.71
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	10	1.71
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	18	1.71
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	18	1.71
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	18	1.71
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	20	1.71
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	20	1.71
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	20	1.71
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	5	1.71
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	6	1.71
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	16	1.71
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	19	1.71
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	20	1.71
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	12	1.71
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	15	1.71
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	17	1.71
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	1	1.71
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	1	1.71
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	1	1.71
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	9	1.71
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	9	1.71
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	9	1.71
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	12	1.71
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	12	1.71
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	12	1.71
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	12	1.71
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	3	1.71
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	4	1.71
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	16	1.71
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	16	1.71
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	16	1.71
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	2	1.71
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	2	1.71
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	2	1.71
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	11	1.71
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	11	1.71
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	11	1.71
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	6	1.71
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	20	1.71
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	7	1.71
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	7	1.71
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	11	1.71
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	19	1.71
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	2	1.71
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	2	1.71
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	2	1.71
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	8	1.71
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	8	1.71
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	8	1.71
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	14	1.71
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	14	1.71
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	14	1.71
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	2	1.71
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	2	1.71
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	2	1.71
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	16	1.71
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	16	1.71
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	16	1.71
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	18	1.71
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	18	1.71
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	18	1.71
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	20	1.71
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	20	1.71
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	20	1.71
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	1	1.71
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	7	1.71
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	9	1.71
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	10	1.71
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	12	1.71
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	15	1.71
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	17	1.71
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	20	1.71
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	8	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	1	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	1	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	1	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	2	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	2	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	2	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	3	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	3	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	3	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	4	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	4	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	4	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	5	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	5	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	5	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	6	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	6	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	6	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	7	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	7	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	7	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	8	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	8	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	8	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	9	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	9	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	9	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	10	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	10	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	10	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	11	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	11	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	11	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	12	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	12	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	12	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	13	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	13	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	13	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	14	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	14	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	14	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	15	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	15	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	15	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	16	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	16	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	16	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	17	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	17	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	17	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	18	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	18	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	18	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	19	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	19	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	19	1.71
(2,1675)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	20	1.71
(2,1675)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	20	1.71
(2,1675)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	20	1.71
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	8	1.71
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	17	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	2	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	3	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	4	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	5	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	6	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	7	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	8	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	10	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	11	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	12	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	14	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	15	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	16	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	17	1.71
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	19	1.71
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	2	1.71
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	2	1.71
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	2	1.71
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	5	1.71
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	9	1.71
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	11	1.71
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	12	1.71
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	14	1.71
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	11	1.71
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	11	1.71
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	11	1.71
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	12	1.71
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	12	1.71
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	12	1.71
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	20	1.71
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	20	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	20	1.71
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	9	1.71
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	9	1.71
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	9	1.71
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	10	1.71
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	10	1.71
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	10	1.71
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	14	1.71
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	14	1.71
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	14	1.71
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	3	1.71
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	8	1.71
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	17	1.71
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	19	1.71
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	3	1.71
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	3	1.71
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	3	1.71
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	15	1.71
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	8	1.71
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	9	1.71
(2,1405)	1:160:A:GLY:HA3	1:161:A:THR:H	13	1.71
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	11	1.71
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	12	1.71
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	18	1.71
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	5	1.71
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	5	1.71
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	5	1.71
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	7	1.71
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	12	1.71
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	16	1.71
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	18	1.71
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	19	1.71
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	3	1.71
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	3	1.71
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	8	1.71
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	8	1.71
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	16	1.71
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	3	1.71
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	3	1.71
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	3	1.71
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	5	1.71
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	5	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	5	1.71
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	6	1.71
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	6	1.71
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	6	1.71
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	7	1.71
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	18	1.71
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	9	1.71
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	2	1.71
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	3	1.71
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	14	1.71
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	10	1.71
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	16	1.71
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	8	1.71
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	8	1.71
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	8	1.71
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	6	1.71
(2,775)	1:105:A:ARG:HG3	1:105:A:ARG:HA	2	1.71
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	6	1.71
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	6	1.71
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	6	1.71
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	6	1.71
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	10	1.71
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	10	1.71
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	10	1.71
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	13	1.71
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	7	1.71
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	8	1.71
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	14	1.71
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	14	1.71
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	14	1.71
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	3	1.71
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	4	1.71
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	6	1.71
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	8	1.71
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	19	1.71
(2,537)	1:29:A:LEU:HD21	1:29:A:LEU:HA	4	1.71
(2,537)	1:29:A:LEU:HD22	1:29:A:LEU:HA	4	1.71
(2,537)	1:29:A:LEU:HD23	1:29:A:LEU:HA	4	1.71
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	3	1.71
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	3	1.71
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	3	1.71
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	1	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	16	1.71
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	16	1.71
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	16	1.71
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	3	1.71
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	14	1.71
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	18	1.71
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	20	1.71
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	5	1.71
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	4	1.71
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	4	1.71
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	4	1.71
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	5	1.71
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	5	1.71
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	5	1.71
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	20	1.71
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	20	1.71
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	20	1.71
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	1	1.71
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	6	1.71
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	16	1.71
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	16	1.71
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	16	1.71
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	4	1.71
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	17	1.71
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	2	1.71
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	9	1.71
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	12	1.71
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	12	1.71
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	12	1.71
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	18	1.71
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	18	1.71
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	18	1.71
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	13	1.71
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	14	1.71
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	1	1.71
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	10	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	2	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	2	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	2	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	3	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	3	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	3	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	5	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	5	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	5	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	6	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	6	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	6	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	7	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	7	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	7	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	8	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	8	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	8	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	9	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	9	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	9	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	10	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	10	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	10	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	11	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	11	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	11	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	12	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	12	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	12	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	13	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	13	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	13	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	14	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	14	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	14	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	15	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	15	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	15	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	17	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	17	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	17	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	18	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	18	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	18	1.71
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	19	1.71
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	19	1.71
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	19	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	11	1.71
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	11	1.71
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	11	1.71
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	19	1.71
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	6	1.71
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	6	1.71
(2,53)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	6	1.71
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	16	1.7
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	1	1.7
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	15	1.7
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	1	1.7
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	15	1.7
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	18	1.7
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	2	1.7
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	2	1.7
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	2	1.7
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	6	1.7
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	6	1.7
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	6	1.7
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	8	1.7
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	8	1.7
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	8	1.7
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	12	1.7
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	12	1.7
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	12	1.7
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	10	1.7
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	10	1.7
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	6	1.7
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	6	1.7
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	6	1.7
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	12	1.7
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	12	1.7
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	12	1.7
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	8	1.7
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	9	1.7
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	12	1.7
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	19	1.7
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	4	1.7
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	4	1.7
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	4	1.7
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	4	1.7
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	4	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	4	1.7
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	14	1.7
(2,3061)	1:72:A:LEU:HD21	1:72:A:LEU:HG	19	1.7
(2,3061)	1:72:A:LEU:HD22	1:72:A:LEU:HG	19	1.7
(2,3061)	1:72:A:LEU:HD23	1:72:A:LEU:HG	19	1.7
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	12	1.7
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	12	1.7
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	12	1.7
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	12	1.7
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	12	1.7
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	12	1.7
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	12	1.7
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	12	1.7
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	12	1.7
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	1	1.7
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	1	1.7
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	1	1.7
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	1	1.7
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	5	1.7
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	5	1.7
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	5	1.7
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	8	1.7
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	8	1.7
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	8	1.7
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	9	1.7
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	9	1.7
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	9	1.7
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	10	1.7
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	10	1.7
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	10	1.7
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	12	1.7
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	12	1.7
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	12	1.7
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	15	1.7
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	15	1.7
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	15	1.7
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	4	1.7
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	4	1.7
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	4	1.7
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	6	1.7
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	6	1.7
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	6	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	7	1.7
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	7	1.7
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	7	1.7
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	12	1.7
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	12	1.7
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	12	1.7
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	13	1.7
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	13	1.7
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	13	1.7
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	16	1.7
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	16	1.7
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	16	1.7
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	17	1.7
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	17	1.7
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	17	1.7
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	19	1.7
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	19	1.7
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	19	1.7
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	18	1.7
(2,2919)	1:87:A:GLY:HA2	1:88:A:LYS:H	18	1.7
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	7	1.7
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	7	1.7
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	7	1.7
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	9	1.7
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	9	1.7
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	9	1.7
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	12	1.7
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	12	1.7
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	12	1.7
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	14	1.7
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	14	1.7
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	14	1.7
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	19	1.7
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	19	1.7
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	19	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	1	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	1	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	1	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	2	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	2	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	2	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	3	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	3	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	3	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	8	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	8	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	8	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	14	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	14	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	14	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	18	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	18	1.7
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	18	1.7
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	14	1.7
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	20	1.7
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	11	1.7
(2,2757)	1:149:A:ASP:HB3	1:149:A:ASP:HA	14	1.7
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	4	1.7
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	9	1.7
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	4	1.7
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	4	1.7
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	4	1.7
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	17	1.7
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	17	1.7
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	17	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	2	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	5	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	7	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	9	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	10	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	11	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	13	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	15	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	16	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	17	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	18	1.7
(2,2693)	1:117:A:SER:HA	1:117:A:SER:HB2	20	1.7
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	5	1.7
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	17	1.7
(2,2577)	1:126:A:HIS:HB3	1:126:A:HIS:HA	14	1.7
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	7	1.7
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	10	1.7
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	15	1.7
(2,2489)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	3	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	2	1.7
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	2	1.7
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	2	1.7
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	3	1.7
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	3	1.7
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	3	1.7
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	5	1.7
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	5	1.7
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	5	1.7
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	10	1.7
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	10	1.7
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	10	1.7
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	12	1.7
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	12	1.7
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	12	1.7
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	14	1.7
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	14	1.7
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	14	1.7
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	15	1.7
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	15	1.7
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	15	1.7
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	4	1.7
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	5	1.7
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	2	1.7
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	2	1.7
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	2	1.7
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	9	1.7
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	16	1.7
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	6	1.7
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	6	1.7
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	6	1.7
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	3	1.7
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	3	1.7
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	3	1.7
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	7	1.7
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	7	1.7
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	7	1.7
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	11	1.7
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	11	1.7
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	11	1.7
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	3	1.7
(2,2347)	1:167:A:ARG:HG3	1:167:A:ARG:HA	17	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	14	1.7
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	14	1.7
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	14	1.7
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	9	1.7
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	9	1.7
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	9	1.7
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	10	1.7
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	10	1.7
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	10	1.7
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	11	1.7
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	11	1.7
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	11	1.7
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	16	1.7
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	16	1.7
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	16	1.7
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	19	1.7
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	19	1.7
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	19	1.7
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	20	1.7
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	20	1.7
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	20	1.7
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	1	1.7
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	2	1.7
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	4	1.7
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	6	1.7
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	10	1.7
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	15	1.7
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	18	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	2	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	2	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	2	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	2	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	2	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	2	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	2	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	2	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	2	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	6	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	6	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	6	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	6	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	6	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	6	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	6	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	6	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	6	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	8	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	8	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	8	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	8	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	8	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	8	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	8	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	8	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	8	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	9	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	9	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	9	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	9	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	9	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	9	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	9	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	9	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	9	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	12	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	12	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	12	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	12	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	12	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	12	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	12	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	12	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	12	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD21	15	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD22	15	1.7
(2,2172)	1:118:A:LEU:HD11	1:118:A:LEU:HD23	15	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD21	15	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD22	15	1.7
(2,2172)	1:118:A:LEU:HD12	1:118:A:LEU:HD23	15	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD21	15	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD22	15	1.7
(2,2172)	1:118:A:LEU:HD13	1:118:A:LEU:HD23	15	1.7
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	14	1.7
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	14	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	14	1.7
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	14	1.7
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	4	1.7
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	9	1.7
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	11	1.7
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	17	1.7
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	6	1.7
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	17	1.7
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	1	1.7
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	12	1.7
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	17	1.7
(2,2067)	1:59:A:TYR:HB2	1:59:A:TYR:H	18	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	6	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	6	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	6	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	7	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	7	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	7	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	8	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	8	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	8	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	12	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	12	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	12	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	16	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	16	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	16	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	17	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	17	1.7
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	17	1.7
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	7	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	1	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	1	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	1	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	2	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	2	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	2	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	3	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	3	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	3	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	4	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	4	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	4	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	5	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	5	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	5	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	6	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	6	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	6	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	8	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	8	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	8	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	9	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	9	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	9	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	10	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	10	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	10	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	11	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	11	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	11	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	12	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	12	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	12	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	13	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	13	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	13	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	14	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	14	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	14	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	15	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	15	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	15	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	17	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	17	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	17	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	18	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	18	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	18	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	19	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	19	1.7
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	19	1.7
(2,1827)	1:93:A:THR:HG21	1:93:A:THR:HB	20	1.7
(2,1827)	1:93:A:THR:HG22	1:93:A:THR:HB	20	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1827)	1:93:A:THR:HG23	1:93:A:THR:HB	20	1.7
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	9	1.7
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	15	1.7
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	15	1.7
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	15	1.7
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	8	1.7
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	8	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	1	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	1	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	1	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	3	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	3	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	3	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	9	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	9	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	9	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	10	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	10	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	10	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	13	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	13	1.7
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	13	1.7
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	4	1.7
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	4	1.7
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	4	1.7
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	10	1.7
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	10	1.7
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	10	1.7
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	15	1.7
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	15	1.7
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	15	1.7
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	2	1.7
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	5	1.7
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	14	1.7
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	16	1.7
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	1	1.7
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	2	1.7
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	3	1.7
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	6	1.7
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	11	1.7
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	12	1.7
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	14	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	15	1.7
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	16	1.7
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	18	1.7
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	20	1.7
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	1	1.7
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	9	1.7
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	13	1.7
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	18	1.7
(2,1637)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	20	1.7
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	14	1.7
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	14	1.7
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	14	1.7
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	15	1.7
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	15	1.7
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	15	1.7
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	16	1.7
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	4	1.7
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	6	1.7
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	15	1.7
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	10	1.7
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	1	1.7
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	2	1.7
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	3	1.7
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	6	1.7
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	7	1.7
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	8	1.7
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	10	1.7
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	13	1.7
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	15	1.7
(2,1499)	1:146:A:HIS:H	1:146:A:HIS:HA	18	1.7
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	1	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	1	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	1	1.7
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	2	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	2	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	2	1.7
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	6	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	6	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	6	1.7
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	7	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	7	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	7	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	8	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	8	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	8	1.7
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	9	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	9	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	9	1.7
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	10	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	10	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	10	1.7
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	14	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	14	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	14	1.7
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	15	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	15	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	15	1.7
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	16	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	16	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	16	1.7
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	18	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	18	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	18	1.7
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	19	1.7
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	19	1.7
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	19	1.7
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	6	1.7
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	6	1.7
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	6	1.7
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	18	1.7
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	18	1.7
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	18	1.7
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	19	1.7
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	19	1.7
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	19	1.7
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	7	1.7
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	15	1.7
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	1	1.7
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	1	1.7
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	1	1.7
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	12	1.7
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	4	1.7
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	2	1.7
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	7	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	14	1.7
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	6	1.7
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	6	1.7
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	6	1.7
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	11	1.7
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	11	1.7
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	11	1.7
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	14	1.7
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	14	1.7
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	14	1.7
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	2	1.7
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	9	1.7
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	14	1.7
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	15	1.7
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	20	1.7
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	1	1.7
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	3	1.7
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	4	1.7
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	15	1.7
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	14	1.7
(2,1149)	1:99:A:TYR:HD1	1:99:A:TYR:HA	4	1.7
(2,1149)	1:99:A:TYR:HD2	1:99:A:TYR:HA	4	1.7
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	4	1.7
(2,1122)	1:89:A:ILE:HG21	1:89:A:ILE:HG12	13	1.7
(2,1122)	1:89:A:ILE:HG22	1:89:A:ILE:HG12	13	1.7
(2,1122)	1:89:A:ILE:HG23	1:89:A:ILE:HG12	13	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	1	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	1	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	1	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	2	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	2	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	2	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	3	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	3	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	3	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	4	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	4	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	4	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	5	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	5	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	5	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	6	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	6	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	6	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	7	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	7	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	7	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	8	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	8	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	8	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	9	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	9	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	9	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	10	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	10	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	10	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	11	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	11	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	11	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	12	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	12	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	12	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	13	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	13	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	13	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	14	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	14	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	14	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	15	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	15	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	15	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	16	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	16	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	16	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	17	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	17	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	17	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	18	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	18	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	18	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	19	1.7
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	19	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	19	1.7
(2,1098)	1:69:A:THR:HG21	1:69:A:THR:HB	20	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1098)	1:69:A:THR:HG22	1:69:A:THR:HB	20	1.7
(2,1098)	1:69:A:THR:HG23	1:69:A:THR:HB	20	1.7
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	16	1.7
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	5	1.7
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	5	1.7
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	5	1.7
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	19	1.7
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	19	1.7
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	19	1.7
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	5	1.7
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	16	1.7
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	1	1.7
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	3	1.7
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	6	1.7
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	7	1.7
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	8	1.7
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	10	1.7
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	17	1.7
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	19	1.7
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	8	1.7
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	8	1.7
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	8	1.7
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	15	1.7
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	1	1.7
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	4	1.7
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	5	1.7
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	8	1.7
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	19	1.7
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	5	1.7
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	9	1.7
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	6	1.7
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	6	1.7
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	6	1.7
(2,799)	1:14:A:THR:HG21	1:15:A:LEU:H	1	1.7
(2,799)	1:14:A:THR:HG22	1:15:A:LEU:H	1	1.7
(2,799)	1:14:A:THR:HG23	1:15:A:LEU:H	1	1.7
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	11	1.7
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	16	1.7
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	5	1.7
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	5	1.7
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	5	1.7
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	10	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	13	1.7
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	3	1.7
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	3	1.7
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	3	1.7
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	4	1.7
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	5	1.7
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	20	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	1	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	2	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	5	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	7	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	9	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	10	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	12	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	13	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	14	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	15	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	16	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	17	1.7
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	18	1.7
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	9	1.7
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	9	1.7
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	9	1.7
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	8	1.7
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	8	1.7
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	8	1.7
(2,454)	1:10:A:LYS:HG3	1:10:A:LYS:H	8	1.7
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	1	1.7
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	1	1.7
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	1	1.7
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	10	1.7
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	10	1.7
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	10	1.7
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	11	1.7
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	11	1.7
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	11	1.7
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	18	1.7
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	18	1.7
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	18	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	1	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	2	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	3	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	4	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	5	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	6	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	7	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	8	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	9	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	10	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	11	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	12	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	13	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	14	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	15	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	16	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	17	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	18	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	19	1.7
(2,441)	1:116:A:LEU:HB2	1:116:A:LEU:HB3	20	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	1	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	2	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	3	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	4	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	5	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	6	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	7	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	8	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	9	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	10	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	11	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	12	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	13	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	14	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	15	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	16	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	17	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	18	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	19	1.7
(2,435)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	20	1.7
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	15	1.7
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	19	1.7
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	19	1.7
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	19	1.7
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	10	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	15	1.7
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	11	1.7
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	1	1.7
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	2	1.7
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	14	1.7
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	20	1.7
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	3	1.7
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	14	1.7
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	5	1.7
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	12	1.7
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	14	1.7
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	20	1.7
(2,233)	1:164:A:THR:HG21	1:164:A:THR:HA	16	1.7
(2,233)	1:164:A:THR:HG22	1:164:A:THR:HA	16	1.7
(2,233)	1:164:A:THR:HG23	1:164:A:THR:HA	16	1.7
(2,69)	1:113:A:ALA:HB1	1:113:A:ALA:HA	1	1.7
(2,69)	1:113:A:ALA:HB2	1:113:A:ALA:HA	1	1.7
(2,69)	1:113:A:ALA:HB3	1:113:A:ALA:HA	1	1.7
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	6	1.7
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	9	1.7
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	10	1.7
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	13	1.7
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	15	1.7
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	11	1.7
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	6	1.69
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	16	1.69
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	2	1.69
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	14	1.69
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	16	1.69
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	14	1.69
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	1	1.69
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	1	1.69
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	1	1.69
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	15	1.69
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	15	1.69
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	15	1.69
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	2	1.69
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	2	1.69
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	11	1.69
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	11	1.69
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	15	1.69
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	1	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	1	1.69
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	1	1.69
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	5	1.69
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	5	1.69
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	5	1.69
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	13	1.69
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	13	1.69
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	13	1.69
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	17	1.69
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	17	1.69
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	17	1.69
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	19	1.69
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	19	1.69
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	19	1.69
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	10	1.69
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	15	1.69
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	16	1.69
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	17	1.69
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	18	1.69
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	13	1.69
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	13	1.69
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	13	1.69
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	13	1.69
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	13	1.69
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	13	1.69
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	9	1.69
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	7	1.69
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	4	1.69
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	4	1.69
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	4	1.69
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	14	1.69
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	14	1.69
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	14	1.69
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	17	1.69
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	17	1.69
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	17	1.69
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	11	1.69
(2,3021)	1:65:A:ILE:HG12	1:65:A:ILE:HB	17	1.69
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	7	1.69
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	2	1.69
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	2	1.69
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	2	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	4	1.69
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	4	1.69
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	4	1.69
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	11	1.69
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	11	1.69
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	11	1.69
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	14	1.69
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	14	1.69
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	14	1.69
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	17	1.69
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	17	1.69
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	17	1.69
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	19	1.69
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	19	1.69
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	19	1.69
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	2	1.69
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	2	1.69
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	2	1.69
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	3	1.69
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	3	1.69
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	3	1.69
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	5	1.69
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	5	1.69
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	5	1.69
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	8	1.69
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	8	1.69
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	8	1.69
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	10	1.69
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	10	1.69
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	10	1.69
(2,2954)	1:46:A:ILE:HG21	1:46:A:ILE:HA	18	1.69
(2,2954)	1:46:A:ILE:HG22	1:46:A:ILE:HA	18	1.69
(2,2954)	1:46:A:ILE:HG23	1:46:A:ILE:HA	18	1.69
(2,2944)	1:112:A:GLY:HA2	1:112:A:GLY:H	11	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	1	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	1	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	1	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	2	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	2	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	2	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	3	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	3	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	3	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	4	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	4	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	4	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	5	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	5	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	5	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	6	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	6	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	6	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	8	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	8	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	8	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	10	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	10	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	10	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	11	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	11	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	11	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	13	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	13	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	13	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	15	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	15	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	15	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	16	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	16	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	16	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	17	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	17	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	17	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	18	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	18	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	18	1.69
(2,2905)	1:137:A:ALA:HB1	1:137:A:ALA:HA	20	1.69
(2,2905)	1:137:A:ALA:HB2	1:137:A:ALA:HA	20	1.69
(2,2905)	1:137:A:ALA:HB3	1:137:A:ALA:HA	20	1.69
(2,2852)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	12	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	10	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	10	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	10	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	11	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	11	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	11	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	12	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	12	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	12	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	13	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	13	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	13	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	15	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	15	1.69
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	15	1.69
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	4	1.69
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	8	1.69
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	4	1.69
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	14	1.69
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	19	1.69
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	10	1.69
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	17	1.69
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	16	1.69
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	16	1.69
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	16	1.69
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	19	1.69
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	19	1.69
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	19	1.69
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	5	1.69
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	6	1.69
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	4	1.69
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	11	1.69
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	1	1.69
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	1	1.69
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	1	1.69
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	4	1.69
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	4	1.69
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	4	1.69
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	6	1.69
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	6	1.69
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	6	1.69
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	13	1.69
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	13	1.69
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	13	1.69
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	18	1.69
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	18	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	18	1.69
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	19	1.69
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	19	1.69
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	19	1.69
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	7	1.69
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	7	1.69
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	7	1.69
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	7	1.69
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	13	1.69
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	13	1.69
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	13	1.69
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	19	1.69
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	19	1.69
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	19	1.69
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	18	1.69
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	8	1.69
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	8	1.69
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	8	1.69
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	11	1.69
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	11	1.69
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	11	1.69
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	20	1.69
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	20	1.69
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	20	1.69
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	2	1.69
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	2	1.69
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	2	1.69
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	4	1.69
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	4	1.69
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	4	1.69
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	6	1.69
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	6	1.69
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	6	1.69
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	19	1.69
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	19	1.69
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	19	1.69
(2,2322)	1:52:A:PRO:HD3	1:51:A:LEU:HD21	20	1.69
(2,2322)	1:52:A:PRO:HD3	1:51:A:LEU:HD22	20	1.69
(2,2322)	1:52:A:PRO:HD3	1:51:A:LEU:HD23	20	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	1	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	1	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	1	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	2	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	2	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	2	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	3	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	3	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	3	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	4	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	4	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	4	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	5	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	5	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	5	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	6	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	6	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	6	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	7	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	7	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	7	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	8	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	8	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	8	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	12	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	12	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	12	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	13	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	13	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	13	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	14	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	14	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	14	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	15	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	15	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	15	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	17	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	17	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	17	1.69
(2,2256)	1:51:A:LEU:HD21	1:51:A:LEU:HG	18	1.69
(2,2256)	1:51:A:LEU:HD22	1:51:A:LEU:HG	18	1.69
(2,2256)	1:51:A:LEU:HD23	1:51:A:LEU:HG	18	1.69
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	17	1.69
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	3	1.69
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	5	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	7	1.69
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	8	1.69
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	9	1.69
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	11	1.69
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	12	1.69
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	13	1.69
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	14	1.69
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	16	1.69
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	17	1.69
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	19	1.69
(2,2203)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	20	1.69
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	1	1.69
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	6	1.69
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	10	1.69
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	12	1.69
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	3	1.69
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	7	1.69
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	11	1.69
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	19	1.69
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	8	1.69
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	8	1.69
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	8	1.69
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	19	1.69
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	19	1.69
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	19	1.69
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	5	1.69
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	9	1.69
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	9	1.69
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	9	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	3	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	3	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	3	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	4	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	4	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	4	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	13	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	13	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	13	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	15	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	15	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	15	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	18	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	18	1.69
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	18	1.69
(2,2023)	1:24:A:ILE:HG13	1:25:A:SER:H	10	1.69
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	3	1.69
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	18	1.69
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	18	1.69
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	18	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	1	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	2	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	3	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	4	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	5	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	6	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	7	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	8	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	9	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	10	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	11	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	12	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	13	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	14	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	15	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	16	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	17	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	18	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	19	1.69
(2,1771)	1:129:A:ASN:HB2	1:129:A:ASN:HB3	20	1.69
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	9	1.69
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	20	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	5	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	5	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	5	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	7	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	7	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	7	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	11	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	11	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	11	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	15	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	15	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	15	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	18	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	18	1.69
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	18	1.69
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	3	1.69
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	3	1.69
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	3	1.69
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	5	1.69
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	5	1.69
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	5	1.69
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	13	1.69
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	13	1.69
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	13	1.69
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	14	1.69
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	14	1.69
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	14	1.69
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	8	1.69
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	13	1.69
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	7	1.69
(2,1644)	1:58:A:PRO:HB3	1:58:A:PRO:HG3	8	1.69
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	12	1.69
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	12	1.69
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	12	1.69
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	18	1.69
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	15	1.69
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	18	1.69
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	1	1.69
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	3	1.69
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	10	1.69
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	12	1.69
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	17	1.69
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	2	1.69
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	7	1.69
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	15	1.69
(2,1481)	1:72:A:LEU:HD11	1:72:A:LEU:HG	3	1.69
(2,1481)	1:72:A:LEU:HD12	1:72:A:LEU:HG	3	1.69
(2,1481)	1:72:A:LEU:HD13	1:72:A:LEU:HG	3	1.69
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	11	1.69
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	11	1.69
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	11	1.69
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	12	1.69
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	12	1.69
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	12	1.69
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	2	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	12	1.69
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	14	1.69
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	18	1.69
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	20	1.69
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	11	1.69
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	11	1.69
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	11	1.69
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	7	1.69
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	7	1.69
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	7	1.69
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	16	1.69
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	16	1.69
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	16	1.69
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	1	1.69
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	8	1.69
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	17	1.69
(2,1300)	1:165:A:ILE:HD11	1:165:A:ILE:HA	1	1.69
(2,1300)	1:165:A:ILE:HD12	1:165:A:ILE:HA	1	1.69
(2,1300)	1:165:A:ILE:HD13	1:165:A:ILE:HA	1	1.69
(2,1287)	1:74:A:LEU:HB2	1:74:A:LEU:HG	11	1.69
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	6	1.69
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	8	1.69
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	9	1.69
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	13	1.69
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	11	1.69
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	14	1.69
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	19	1.69
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	20	1.69
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	2	1.69
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	6	1.69
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	1	1.69
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	10	1.69
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	18	1.69
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	18	1.69
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	20	1.69
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	14	1.69
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	14	1.69
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	14	1.69
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	18	1.69
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	18	1.69
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	18	1.69
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	2	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	2	1.69
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	12	1.69
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	14	1.69
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	15	1.69
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	1	1.69
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	1	1.69
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	1	1.69
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	6	1.69
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	6	1.69
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	6	1.69
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	7	1.69
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	7	1.69
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	7	1.69
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	10	1.69
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	10	1.69
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	10	1.69
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	11	1.69
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	11	1.69
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	11	1.69
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	14	1.69
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	14	1.69
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	14	1.69
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	15	1.69
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	15	1.69
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	15	1.69
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	19	1.69
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	14	1.69
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	8	1.69
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	13	1.69
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	13	1.69
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	13	1.69
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	15	1.69
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	4	1.69
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	4	1.69
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	4	1.69
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	16	1.69
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	16	1.69
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	16	1.69
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	19	1.69
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	19	1.69
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	19	1.69
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	14	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	11	1.69
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	12	1.69
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	7	1.69
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	3	1.69
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	7	1.69
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	19	1.69
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	19	1.69
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	19	1.69
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	2	1.69
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	5	1.69
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	5	1.69
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	5	1.69
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	20	1.69
(2,537)	1:29:A:LEU:HD21	1:29:A:LEU:HA	11	1.69
(2,537)	1:29:A:LEU:HD22	1:29:A:LEU:HA	11	1.69
(2,537)	1:29:A:LEU:HD23	1:29:A:LEU:HA	11	1.69
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	1	1.69
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	5	1.69
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	6	1.69
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	13	1.69
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	9	1.69
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	9	1.69
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	9	1.69
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	2	1.69
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	5	1.69
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	15	1.69
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	4	1.69
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	4	1.69
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	4	1.69
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	7	1.69
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	7	1.69
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	7	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	1	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	1	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	1	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	2	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	2	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	2	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	3	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	3	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	3	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	4	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	4	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	4	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	5	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	5	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	5	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	6	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	6	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	6	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	7	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	7	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	7	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	8	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	8	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	8	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	9	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	9	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	9	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	10	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	10	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	10	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	11	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	11	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	11	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	12	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	12	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	12	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	13	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	13	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	13	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	14	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	14	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	14	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	15	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	15	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	15	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	16	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	16	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	16	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	17	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	17	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	17	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	18	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	18	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	18	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	19	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	19	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	19	1.69
(2,438)	1:89:A:ILE:HD11	1:89:A:ILE:HG13	20	1.69
(2,438)	1:89:A:ILE:HD12	1:89:A:ILE:HG13	20	1.69
(2,438)	1:89:A:ILE:HD13	1:89:A:ILE:HG13	20	1.69
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	5	1.69
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	5	1.69
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	5	1.69
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	7	1.69
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	7	1.69
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	7	1.69
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	4	1.69
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	12	1.69
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	13	1.69
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	16	1.69
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	20	1.69
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	4	1.69
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	8	1.69
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	15	1.69
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	16	1.69
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	18	1.69
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	11	1.69
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	11	1.69
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	11	1.69
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	8	1.69
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	8	1.69
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	8	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	2	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	4	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	6	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	9	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	10	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	11	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	13	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	14	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	15	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	16	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	17	1.69
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	19	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	16	1.69
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	16	1.69
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	16	1.69
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	5	1.69
(2,249)	1:89:A:ILE:HG21	1:90:A:LEU:H	18	1.69
(2,249)	1:89:A:ILE:HG22	1:90:A:LEU:H	18	1.69
(2,249)	1:89:A:ILE:HG23	1:90:A:LEU:H	18	1.69
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	12	1.69
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	1	1.69
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	3	1.69
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	8	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	1	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	4	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	5	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	6	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	7	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	9	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	10	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	11	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	13	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	14	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	15	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	17	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	18	1.69
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	19	1.69
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	2	1.69
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	7	1.69
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	1	1.69
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	2	1.69
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	12	1.69
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	14	1.69
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	16	1.69
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	17	1.69
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	18	1.69
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	20	1.69
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	19	1.68
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	19	1.68
(4,767)	1:140:A:LYS:HD3	1:141:A:GLY:H	1	1.68
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	7	1.68
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	7	1.68
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	7	1.68
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	14	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	14	1.68
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	14	1.68
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	16	1.68
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	16	1.68
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	16	1.68
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	19	1.68
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	19	1.68
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	19	1.68
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	8	1.68
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	8	1.68
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	3	1.68
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	3	1.68
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	3	1.68
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	11	1.68
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	11	1.68
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	11	1.68
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	14	1.68
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	14	1.68
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	14	1.68
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	2	1.68
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	3	1.68
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	20	1.68
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	3	1.68
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	3	1.68
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	3	1.68
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	3	1.68
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	3	1.68
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	3	1.68
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	11	1.68
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	11	1.68
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	11	1.68
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	11	1.68
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	11	1.68
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	11	1.68
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	14	1.68
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	14	1.68
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	14	1.68
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	14	1.68
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	14	1.68
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	14	1.68
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	2	1.68
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	2	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	2	1.68
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	11	1.68
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	11	1.68
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	11	1.68
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	11	1.68
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	11	1.68
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	2	1.68
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	11	1.68
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	10	1.68
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	11	1.68
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	4	1.68
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	8	1.68
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	8	1.68
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	8	1.68
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	8	1.68
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	8	1.68
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	8	1.68
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	8	1.68
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	8	1.68
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	8	1.68
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	16	1.68
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	16	1.68
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	16	1.68
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	18	1.68
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	18	1.68
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	18	1.68
(2,2965)	1:116:A:LEU:HD11	1:116:A:LEU:HG	20	1.68
(2,2965)	1:116:A:LEU:HD12	1:116:A:LEU:HG	20	1.68
(2,2965)	1:116:A:LEU:HD13	1:116:A:LEU:HG	20	1.68
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	4	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	4	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	4	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	4	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	5	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	5	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	5	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	6	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	6	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	6	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	7	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	7	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	7	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	8	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	8	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	8	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	9	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	9	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	9	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	10	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	10	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	10	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	11	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	11	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	11	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	13	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	13	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	13	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	16	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	16	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	16	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	17	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	17	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	17	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	18	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	18	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	18	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	19	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	19	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	19	1.68
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	20	1.68
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	20	1.68
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	20	1.68
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	1	1.68
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	1	1.68
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	1	1.68
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	5	1.68
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	5	1.68
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	5	1.68
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	6	1.68
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	6	1.68
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	6	1.68
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	7	1.68
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	7	1.68
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	7	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	18	1.68
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	19	1.68
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	12	1.68
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	12	1.68
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	12	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	2	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	3	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	4	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	5	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	6	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	7	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	8	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	9	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	10	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	11	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	14	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	15	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	16	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	17	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	18	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	19	1.68
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	20	1.68
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	19	1.68
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	8	1.68
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	8	1.68
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	8	1.68
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	11	1.68
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	11	1.68
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	11	1.68
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	16	1.68
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	16	1.68
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	16	1.68
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	20	1.68
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	20	1.68
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	20	1.68
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	19	1.68
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	20	1.68
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	20	1.68
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	20	1.68
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	4	1.68
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	6	1.68
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	4	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	20	1.68
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	1	1.68
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	1	1.68
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	1	1.68
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	4	1.68
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	4	1.68
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	4	1.68
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	7	1.68
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	7	1.68
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	7	1.68
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	15	1.68
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	15	1.68
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	15	1.68
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	17	1.68
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	17	1.68
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	17	1.68
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	18	1.68
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	18	1.68
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	18	1.68
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	17	1.68
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	17	1.68
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	17	1.68
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	10	1.68
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	10	1.68
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	10	1.68
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	14	1.68
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	14	1.68
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	14	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	1	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	1	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	1	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	10	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	10	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	10	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	13	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	13	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	13	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	18	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	18	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	18	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	20	1.68
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	20	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	20	1.68
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	3	1.68
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	9	1.68
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	12	1.68
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	17	1.68
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	17	1.68
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	17	1.68
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	2	1.68
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	3	1.68
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	5	1.68
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	7	1.68
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	8	1.68
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	9	1.68
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	11	1.68
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	13	1.68
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	14	1.68
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	18	1.68
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	3	1.68
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	8	1.68
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	10	1.68
(2,2055)	1:9:A:VAL:HG11	1:9:A:VAL:HA	11	1.68
(2,2055)	1:9:A:VAL:HG12	1:9:A:VAL:HA	11	1.68
(2,2055)	1:9:A:VAL:HG13	1:9:A:VAL:HA	11	1.68
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	10	1.68
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	10	1.68
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	10	1.68
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	14	1.68
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	14	1.68
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	14	1.68
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	12	1.68
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	6	1.68
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	6	1.68
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	6	1.68
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	20	1.68
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	5	1.68
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	12	1.68
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	13	1.68
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	6	1.68
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	6	1.68
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	6	1.68
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	12	1.68
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	12	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	12	1.68
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	19	1.68
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	19	1.68
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	19	1.68
(2,1685)	1:22:A:PHE:HB2	1:22:A:PHE:H	19	1.68
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	3	1.68
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	9	1.68
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	6	1.68
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	6	1.68
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	6	1.68
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	13	1.68
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	13	1.68
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	13	1.68
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	16	1.68
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	16	1.68
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	16	1.68
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	13	1.68
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	1	1.68
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	5	1.68
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	20	1.68
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	4	1.68
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	7	1.68
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	10	1.68
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	8	1.68
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	9	1.68
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	11	1.68
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	14	1.68
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	6	1.68
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	2	1.68
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	2	1.68
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	2	1.68
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	16	1.68
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	4	1.68
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	5	1.68
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	16	1.68
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG21	12	1.68
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG22	12	1.68
(2,1448)	1:125:A:ILE:H	1:125:A:ILE:HG23	12	1.68
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	2	1.68
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	3	1.68
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	5	1.68
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	6	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	14	1.68
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	6	1.68
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	6	1.68
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	6	1.68
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	7	1.68
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	7	1.68
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	7	1.68
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	10	1.68
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	10	1.68
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	10	1.68
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	14	1.68
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	14	1.68
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	14	1.68
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	15	1.68
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	15	1.68
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	15	1.68
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	11	1.68
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	17	1.68
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	19	1.68
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	2	1.68
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	2	1.68
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	2	1.68
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	15	1.68
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	15	1.68
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	15	1.68
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	19	1.68
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	19	1.68
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	19	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	1	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	1	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	1	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	3	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	3	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	3	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	4	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	4	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	4	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	5	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	5	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	5	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	6	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	6	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	6	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	7	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	7	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	7	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	8	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	8	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	8	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	9	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	9	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	9	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	10	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	10	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	10	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	11	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	11	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	11	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	12	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	12	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	12	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	13	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	13	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	13	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	14	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	14	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	14	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	15	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	15	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	15	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	16	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	16	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	16	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	17	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	17	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	17	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	18	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	18	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	18	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	19	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	19	1.68
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	19	1.68
(2,1273)	1:86:A:VAL:HG21	1:86:A:VAL:HB	20	1.68
(2,1273)	1:86:A:VAL:HG22	1:86:A:VAL:HB	20	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1273)	1:86:A:VAL:HG23	1:86:A:VAL:HB	20	1.68
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	6	1.68
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	19	1.68
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	5	1.68
(2,1247)	1:5:A:LEU:HB2	1:5:A:LEU:HA	20	1.68
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	12	1.68
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	12	1.68
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	1	1.68
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	3	1.68
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	4	1.68
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	6	1.68
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	7	1.68
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	8	1.68
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	13	1.68
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	16	1.68
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	18	1.68
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	17	1.68
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	9	1.68
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	12	1.68
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	10	1.68
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	10	1.68
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	10	1.68
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	10	1.68
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	5	1.68
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	4	1.68
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	11	1.68
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	20	1.68
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	4	1.68
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	5	1.68
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	13	1.68
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	16	1.68
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	18	1.68
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	20	1.68
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	2	1.68
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	2	1.68
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	2	1.68
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	3	1.68
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	3	1.68
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	3	1.68
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	4	1.68
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	4	1.68
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	4	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	5	1.68
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	5	1.68
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	5	1.68
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	9	1.68
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	9	1.68
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	9	1.68
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	12	1.68
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	12	1.68
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	12	1.68
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	13	1.68
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	13	1.68
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	13	1.68
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	16	1.68
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	16	1.68
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	16	1.68
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	17	1.68
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	17	1.68
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	17	1.68
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	19	1.68
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	19	1.68
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	19	1.68
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	20	1.68
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	20	1.68
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	20	1.68
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	19	1.68
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	19	1.68
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	19	1.68
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	3	1.68
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	9	1.68
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	20	1.68
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	3	1.68
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	6	1.68
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	14	1.68
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	15	1.68
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	17	1.68
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	9	1.68
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	11	1.68
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	11	1.68
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	11	1.68
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	13	1.68
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	13	1.68
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	13	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	14	1.68
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	14	1.68
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	14	1.68
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	18	1.68
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	18	1.68
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	18	1.68
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	3	1.68
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	16	1.68
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	1	1.68
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	3	1.68
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	5	1.68
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	6	1.68
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	15	1.68
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	1	1.68
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	15	1.68
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	16	1.68
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	16	1.68
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	16	1.68
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	9	1.68
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	14	1.68
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	6	1.68
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	10	1.68
(2,544)	1:118:A:LEU:HB3	1:118:A:LEU:HA	11	1.68
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	1	1.68
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	5	1.68
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	9	1.68
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	10	1.68
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	11	1.68
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	12	1.68
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	13	1.68
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	14	1.68
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	17	1.68
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	18	1.68
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	19	1.68
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	20	1.68
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	4	1.68
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	11	1.68
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	17	1.68
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	20	1.68
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	11	1.68
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	11	1.68
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	11	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	8	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	6	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	6	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	6	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	10	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	10	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	10	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	12	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	12	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	12	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	14	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	14	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	14	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	15	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	15	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	15	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	17	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	17	1.68
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	17	1.68
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	14	1.68
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	15	1.68
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	15	1.68
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	15	1.68
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	8	1.68
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	8	1.68
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	8	1.68
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	1	1.68
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	5	1.68
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	17	1.68
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	19	1.68
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	18	1.68
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	7	1.68
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	16	1.68
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	16	1.68
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	16	1.68
(2,347)	1:80:A:LYS:HB3	1:72:A:LEU:HD11	3	1.68
(2,347)	1:80:A:LYS:HB3	1:72:A:LEU:HD12	3	1.68
(2,347)	1:80:A:LYS:HB3	1:72:A:LEU:HD13	3	1.68
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	1	1.68
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	5	1.68
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	7	1.68
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	8	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	12	1.68
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	18	1.68
(2,326)	1:76:A:ASN:HA	1:76:A:ASN:H	20	1.68
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	10	1.68
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	10	1.68
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	10	1.68
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	5	1.68
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	19	1.68
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	8	1.68
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	8	1.68
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	8	1.68
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	17	1.68
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	17	1.68
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	17	1.68
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	13	1.68
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	2	1.68
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	3	1.68
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	8	1.68
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	16	1.68
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	20	1.68
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	1	1.68
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	8	1.68
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	2	1.68
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	3	1.68
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	5	1.68
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	9	1.68
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	11	1.68
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	13	1.68
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	17	1.68
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	19	1.68
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	3	1.68
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	7	1.68
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	8	1.68
(2,64)	1:58:A:PRO:HD2	1:58:A:PRO:HG2	11	1.68
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	10	1.68
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	20	1.68
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	8	1.68
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	8	1.68
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	7	1.67
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	7	1.67
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	9	1.67
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	9	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	9	1.67
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	15	1.67
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	15	1.67
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	2	1.67
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	2	1.67
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	2	1.67
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	4	1.67
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	4	1.67
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	4	1.67
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	10	1.67
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	10	1.67
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	10	1.67
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	16	1.67
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	16	1.67
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	16	1.67
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	14	1.67
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	10	1.67
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	10	1.67
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	10	1.67
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	10	1.67
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	10	1.67
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	10	1.67
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	18	1.67
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	18	1.67
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	18	1.67
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	18	1.67
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	18	1.67
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	18	1.67
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	1	1.67
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	3	1.67
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	3	1.67
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	3	1.67
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	12	1.67
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	12	1.67
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	12	1.67
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	16	1.67
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	16	1.67
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	16	1.67
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	2	1.67
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	2	1.67
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	20	1.67
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	20	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	8	1.67
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	8	1.67
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	8	1.67
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	12	1.67
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	14	1.67
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	18	1.67
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	1	1.67
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	1	1.67
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	1	1.67
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG21	9	1.67
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG22	9	1.67
(2,3001)	1:15:A:LEU:HD11	1:26:A:THR:HG23	9	1.67
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG21	9	1.67
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG22	9	1.67
(2,3001)	1:15:A:LEU:HD12	1:26:A:THR:HG23	9	1.67
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG21	9	1.67
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG22	9	1.67
(2,3001)	1:15:A:LEU:HD13	1:26:A:THR:HG23	9	1.67
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	18	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	1	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	5	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	6	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	8	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	9	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	10	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	11	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	12	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	13	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	14	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	15	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	17	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	18	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	19	1.67
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	20	1.67
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	1	1.67
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	1	1.67
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	1	1.67
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	2	1.67
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	2	1.67
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	2	1.67
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	3	1.67
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	3	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	3	1.67
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	12	1.67
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	12	1.67
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	12	1.67
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	14	1.67
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	14	1.67
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	14	1.67
(2,2871)	1:165:A:ILE:HG21	1:165:A:ILE:HB	15	1.67
(2,2871)	1:165:A:ILE:HG22	1:165:A:ILE:HB	15	1.67
(2,2871)	1:165:A:ILE:HG23	1:165:A:ILE:HB	15	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	2	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	2	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	2	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	3	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	3	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	3	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	5	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	5	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	5	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	6	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	6	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	6	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	8	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	8	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	8	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	9	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	9	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	9	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	10	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	10	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	10	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	11	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	11	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	11	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	12	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	12	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	12	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	13	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	13	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	13	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	14	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	14	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	14	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	15	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	15	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	15	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	16	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	16	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	16	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	17	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	17	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	17	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	18	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	18	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	18	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	19	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	19	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	19	1.67
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	20	1.67
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	20	1.67
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	20	1.67
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	14	1.67
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	14	1.67
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	14	1.67
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	10	1.67
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	13	1.67
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	8	1.67
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	2	1.67
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	1	1.67
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	12	1.67
(2,2666)	1:49:A:PRO:HG2	1:49:A:PRO:HD2	13	1.67
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	17	1.67
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	20	1.67
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	3	1.67
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	9	1.67
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	9	1.67
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	9	1.67
(2,2484)	1:5:A:LEU:HD11	1:5:A:LEU:HB2	17	1.67
(2,2484)	1:5:A:LEU:HD12	1:5:A:LEU:HB2	17	1.67
(2,2484)	1:5:A:LEU:HD13	1:5:A:LEU:HB2	17	1.67
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	14	1.67
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	6	1.67
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	9	1.67
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	10	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	13	1.67
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	14	1.67
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	15	1.67
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	16	1.67
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	8	1.67
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	1	1.67
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	1	1.67
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	1	1.67
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	3	1.67
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	3	1.67
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	3	1.67
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	16	1.67
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	16	1.67
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	16	1.67
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	7	1.67
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	14	1.67
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	17	1.67
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	1	1.67
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	12	1.67
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	18	1.67
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	3	1.67
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	3	1.67
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	3	1.67
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	5	1.67
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	5	1.67
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	5	1.67
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	8	1.67
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	8	1.67
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	8	1.67
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	10	1.67
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	10	1.67
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	10	1.67
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	12	1.67
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	12	1.67
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	12	1.67
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	13	1.67
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	13	1.67
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	13	1.67
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	14	1.67
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	14	1.67
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	14	1.67
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	16	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	16	1.67
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	16	1.67
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	19	1.67
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	19	1.67
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	19	1.67
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	1	1.67
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	2	1.67
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	1	1.67
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	1	1.67
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	1	1.67
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	12	1.67
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	12	1.67
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	12	1.67
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	5	1.67
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	5	1.67
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	5	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	2	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	2	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	2	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	3	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	3	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	3	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	5	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	5	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	5	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	6	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	6	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	6	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	8	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	8	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	8	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	9	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	9	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	9	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	11	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	11	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	11	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	12	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	12	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	12	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	13	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	13	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	13	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	14	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	14	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	14	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	16	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	16	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	16	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	17	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	17	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	17	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	18	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	18	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	18	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	20	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	20	1.67
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	20	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	2	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	2	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	2	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	3	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	3	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	3	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	4	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	4	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	4	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	5	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	5	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	5	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	6	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	6	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	6	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	7	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	7	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	7	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	8	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	8	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	8	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	9	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	9	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	9	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	11	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	11	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	11	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	12	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	12	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	12	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	14	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	14	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	14	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	15	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	15	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	15	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	16	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	16	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	16	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	17	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	17	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	17	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG21	19	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG22	19	1.67
(2,2296)	1:164:A:THR:HB	1:164:A:THR:HG23	19	1.67
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	13	1.67
(2,2225)	1:40:A:LEU:HD11	1:41:A:THR:H	9	1.67
(2,2225)	1:40:A:LEU:HD12	1:41:A:THR:H	9	1.67
(2,2225)	1:40:A:LEU:HD13	1:41:A:THR:H	9	1.67
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	15	1.67
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	10	1.67
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	10	1.67
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	10	1.67
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	10	1.67
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	10	1.67
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	10	1.67
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	10	1.67
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	10	1.67
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	10	1.67
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	14	1.67
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	14	1.67
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	14	1.67
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	14	1.67
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	14	1.67
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	14	1.67
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	14	1.67
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	14	1.67
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	14	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	9	1.67
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	9	1.67
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	9	1.67
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	16	1.67
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	16	1.67
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	16	1.67
(2,2150)	1:120:A:LYS:HA	1:121:A:GLN:H	9	1.67
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	5	1.67
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	20	1.67
(2,2081)	1:18:A:ILE:HG21	1:19:A:ALA:HA	11	1.67
(2,2081)	1:18:A:ILE:HG22	1:19:A:ALA:HA	11	1.67
(2,2081)	1:18:A:ILE:HG23	1:19:A:ALA:HA	11	1.67
(2,2051)	1:103:A:ARG:HG3	1:103:A:ARG:H	6	1.67
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	7	1.67
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG21	1	1.67
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG22	1	1.67
(2,2024)	1:24:A:ILE:H	1:24:A:ILE:HG23	1	1.67
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	16	1.67
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	16	1.67
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	16	1.67
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	11	1.67
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	2	1.67
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	14	1.67
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	9	1.67
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	11	1.67
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	12	1.67
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	13	1.67
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	16	1.67
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	17	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	1	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	1	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	1	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	2	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	2	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	2	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	3	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	3	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	3	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	4	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	4	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	4	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	5	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	5	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	5	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	7	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	7	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	7	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	8	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	8	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	8	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	9	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	9	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	9	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	10	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	10	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	10	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	12	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	12	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	12	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	13	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	13	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	13	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	14	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	14	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	14	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	15	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	15	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	15	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	16	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	16	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	16	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	17	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	17	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	17	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	18	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	18	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	18	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	19	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	19	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	19	1.67
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	20	1.67
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	20	1.67
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	20	1.67
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	6	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	6	1.67
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	6	1.67
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	18	1.67
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	11	1.67
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	17	1.67
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	17	1.67
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	17	1.67
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	7	1.67
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	11	1.67
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	5	1.67
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	13	1.67
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	15	1.67
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	16	1.67
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	17	1.67
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	20	1.67
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	13	1.67
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	3	1.67
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	15	1.67
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	17	1.67
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	9	1.67
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	3	1.67
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	3	1.67
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	3	1.67
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	1	1.67
(2,1461)	1:61:A:ILE:HA	1:61:A:ILE:HG12	13	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	1	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	2	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	3	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	4	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	5	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	6	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	7	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	8	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	9	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	10	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	11	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	12	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	13	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	14	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	15	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	16	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	17	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	18	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	19	1.67
(2,1452)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	20	1.67
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	11	1.67
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	11	1.67
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	11	1.67
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	9	1.67
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	10	1.67
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	13	1.67
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	18	1.67
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	1	1.67
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	1	1.67
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	1	1.67
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	2	1.67
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	2	1.67
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	2	1.67
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	4	1.67
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	4	1.67
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	4	1.67
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	8	1.67
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	8	1.67
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	8	1.67
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	12	1.67
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	12	1.67
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	12	1.67
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	16	1.67
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	16	1.67
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	16	1.67
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	18	1.67
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	18	1.67
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	18	1.67
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	7	1.67
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	7	1.67
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	7	1.67
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	8	1.67
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	8	1.67
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	8	1.67
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	18	1.67
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	18	1.67
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	18	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	1	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	2	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	3	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	4	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	5	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	6	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	7	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	8	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	9	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	10	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	12	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	13	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	14	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	15	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	16	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	17	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	18	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	19	1.67
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	20	1.67
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	11	1.67
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	2	1.67
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	2	1.67
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	9	1.67
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	10	1.67
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	15	1.67
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	17	1.67
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	7	1.67
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	8	1.67
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	2	1.67
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	6	1.67
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	7	1.67
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	9	1.67
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	17	1.67
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	18	1.67
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	8	1.67
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	8	1.67
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	8	1.67
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	11	1.67
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	11	1.67
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	11	1.67
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	1	1.67
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	18	1.67
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	10	1.67
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	19	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	2	1.67
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	7	1.67
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	15	1.67
(2,980)	1:61:A:ILE:HB	1:61:A:ILE:HG13	1	1.67
(2,979)	1:89:A:ILE:HG21	1:89:A:ILE:HB	18	1.67
(2,979)	1:89:A:ILE:HG22	1:89:A:ILE:HB	18	1.67
(2,979)	1:89:A:ILE:HG23	1:89:A:ILE:HB	18	1.67
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	18	1.67
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	10	1.67
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	10	1.67
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	10	1.67
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	13	1.67
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	13	1.67
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	13	1.67
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	1	1.67
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	4	1.67
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	7	1.67
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	13	1.67
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	18	1.67
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	19	1.67
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	5	1.67
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	18	1.67
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	18	1.67
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	18	1.67
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	1	1.67
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	8	1.67
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	14	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	1	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	1	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	1	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	2	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	2	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	2	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	3	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	3	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	3	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	4	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	4	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	4	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	5	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	5	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	5	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	6	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	6	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	6	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	7	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	7	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	7	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	8	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	8	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	8	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	9	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	9	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	9	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	10	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	10	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	10	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	12	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	12	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	12	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	15	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	15	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	15	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	16	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	16	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	16	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	17	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	17	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	17	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	19	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	19	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	19	1.67
(2,779)	1:41:A:THR:HG21	1:41:A:THR:HB	20	1.67
(2,779)	1:41:A:THR:HG22	1:41:A:THR:HB	20	1.67
(2,779)	1:41:A:THR:HG23	1:41:A:THR:HB	20	1.67
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	1	1.67
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	1	1.67
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	1	1.67
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	2	1.67
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	2	1.67
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	2	1.67
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	7	1.67
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	7	1.67
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	7	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	14	1.67
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	14	1.67
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	14	1.67
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	17	1.67
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	17	1.67
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	17	1.67
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	18	1.67
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	18	1.67
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	18	1.67
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	1	1.67
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	5	1.67
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	18	1.67
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	2	1.67
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	7	1.67
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	8	1.67
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	9	1.67
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	10	1.67
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	13	1.67
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	16	1.67
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	3	1.67
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	9	1.67
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	15	1.67
(2,568)	1:79:A:MET:HB2	1:80:A:LYS:H	9	1.67
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	2	1.67
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	2	1.67
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	2	1.67
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	10	1.67
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	10	1.67
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	10	1.67
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	2	1.67
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	3	1.67
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	4	1.67
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	6	1.67
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	7	1.67
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	8	1.67
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	15	1.67
(2,540)	1:100:A:ILE:HB	1:100:A:ILE:HA	16	1.67
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	2	1.67
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	3	1.67
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	5	1.67
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	7	1.67
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	15	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	16	1.67
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	18	1.67
(2,516)	1:121:A:GLN:HG3	1:122:A:HIS:H	11	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	1	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	1	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	1	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	2	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	2	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	2	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	3	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	3	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	3	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	4	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	4	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	4	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	5	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	5	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	5	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	6	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	6	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	6	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	7	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	7	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	7	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	8	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	8	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	8	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	9	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	9	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	9	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	10	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	10	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	10	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	12	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	12	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	12	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	13	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	13	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	13	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	14	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	14	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	14	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	15	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	15	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	15	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	16	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	16	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	16	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	17	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	17	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	17	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	18	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	18	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	18	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	19	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	19	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	19	1.67
(2,504)	1:74:A:LEU:HD21	1:74:A:LEU:HG	20	1.67
(2,504)	1:74:A:LEU:HD22	1:74:A:LEU:HG	20	1.67
(2,504)	1:74:A:LEU:HD23	1:74:A:LEU:HG	20	1.67
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	15	1.67
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	1	1.67
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	1	1.67
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	1	1.67
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	3	1.67
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	3	1.67
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	3	1.67
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	18	1.67
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	18	1.67
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	18	1.67
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	6	1.67
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	1	1.67
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	10	1.67
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	20	1.67
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	9	1.67
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	9	1.67
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	9	1.67
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	4	1.67
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	4	1.67
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	4	1.67
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	18	1.67
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	18	1.67
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	18	1.67
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	2	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	7	1.67
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	8	1.67
(2,412)	1:142:A:CYS:HB2	1:142:A:CYS:HA	9	1.67
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	17	1.67
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	1	1.67
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	6	1.67
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	19	1.67
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	19	1.67
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	19	1.67
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	20	1.67
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	20	1.67
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	20	1.67
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	15	1.67
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	2	1.67
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	2	1.67
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	2	1.67
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	7	1.67
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	10	1.67
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	11	1.67
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	18	1.67
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	6	1.67
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	17	1.67
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	20	1.67
(2,201)	1:84:A:ILE:HB	1:84:A:ILE:HA	12	1.67
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	9	1.67
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	10	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	1	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	4	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	6	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	7	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	8	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	10	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	12	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	14	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	15	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	16	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	18	1.67
(2,146)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	20	1.67
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	8	1.67
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	5	1.67
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	6	1.67
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	14	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	17	1.67
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	19	1.67
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	19	1.67
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	18	1.67
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	2	1.67
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	4	1.67
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	17	1.67
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	1	1.67
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	3	1.67
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	8	1.67
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	7	1.66
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	3	1.66
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	17	1.66
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	3	1.66
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	17	1.66
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	3	1.66
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	3	1.66
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	3	1.66
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	20	1.66
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	20	1.66
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	20	1.66
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	16	1.66
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	7	1.66
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	16	1.66
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	15	1.66
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	15	1.66
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	15	1.66
(4,324)	1:83:A:PRO:HG3	1:84:A:ILE:H	13	1.66
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	1	1.66
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	1	1.66
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	1	1.66
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	1	1.66
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	1	1.66
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	1	1.66
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	19	1.66
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	19	1.66
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	19	1.66
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	19	1.66
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	19	1.66
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	19	1.66
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	17	1.66
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	17	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	17	1.66
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	3	1.66
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	2	1.66
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	2	1.66
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	3	1.66
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	7	1.66
(2,2935)	1:58:A:PRO:HG2	1:58:A:PRO:HG3	16	1.66
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	4	1.66
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	4	1.66
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	4	1.66
(2,2827)	1:6:A:THR:HG21	1:6:A:THR:HB	7	1.66
(2,2827)	1:6:A:THR:HG22	1:6:A:THR:HB	7	1.66
(2,2827)	1:6:A:THR:HG23	1:6:A:THR:HB	7	1.66
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	20	1.66
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	2	1.66
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	6	1.66
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	9	1.66
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	5	1.66
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	14	1.66
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	9	1.66
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	9	1.66
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	9	1.66
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	18	1.66
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	18	1.66
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	18	1.66
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	11	1.66
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	6	1.66
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	4	1.66
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	1	1.66
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	2	1.66
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	7	1.66
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	8	1.66
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	11	1.66
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	12	1.66
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	17	1.66
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	18	1.66
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	20	1.66
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	8	1.66
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	8	1.66
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	8	1.66
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	2	1.66
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	15	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	11	1.66
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	11	1.66
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	11	1.66
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	12	1.66
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	12	1.66
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	12	1.66
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	9	1.66
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	13	1.66
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	16	1.66
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	18	1.66
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	4	1.66
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	6	1.66
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	7	1.66
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	8	1.66
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	15	1.66
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	17	1.66
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	2	1.66
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	2	1.66
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	2	1.66
(2,2416)	1:154:A:ALA:HB1	1:154:A:ALA:H	9	1.66
(2,2416)	1:154:A:ALA:HB2	1:154:A:ALA:H	9	1.66
(2,2416)	1:154:A:ALA:HB3	1:154:A:ALA:H	9	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	4	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	5	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	6	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	7	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	8	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	9	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	10	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	11	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	12	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	14	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	15	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	16	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	17	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	18	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	19	1.66
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	20	1.66
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	18	1.66
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	18	1.66
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	18	1.66
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	11	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	13	1.66
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	20	1.66
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	20	1.66
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	20	1.66
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	20	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	1	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	1	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	1	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	4	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	4	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	4	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	7	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	7	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	7	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	10	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	10	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	10	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	15	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	15	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	15	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG21	19	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG22	19	1.66
(2,2330)	1:95:A:THR:HB	1:95:A:THR:HG23	19	1.66
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	3	1.66
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	2	1.66
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	11	1.66
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	7	1.66
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	11	1.66
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	17	1.66
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	18	1.66
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	18	1.66
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	18	1.66
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	18	1.66
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	18	1.66
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	18	1.66
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	18	1.66
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	18	1.66
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	18	1.66
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	3	1.66
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	3	1.66
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	3	1.66
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	10	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	14	1.66
(2,2103)	1:80:A:LYS:HB2	1:80:A:LYS:H	14	1.66
(2,2094)	1:61:A:ILE:HA	1:61:A:ILE:HG13	9	1.66
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	14	1.66
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	16	1.66
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	6	1.66
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	9	1.66
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	19	1.66
(2,1874)	1:146:A:HIS:HA	1:146:A:HIS:HB2	2	1.66
(2,1863)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	11	1.66
(2,1863)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	11	1.66
(2,1863)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	11	1.66
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	2	1.66
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	3	1.66
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	4	1.66
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	6	1.66
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	8	1.66
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	9	1.66
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	12	1.66
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	13	1.66
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	16	1.66
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	18	1.66
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	13	1.66
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	13	1.66
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	13	1.66
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	9	1.66
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	10	1.66
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	1	1.66
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	1	1.66
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	1	1.66
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	3	1.66
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	3	1.66
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	3	1.66
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	5	1.66
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	5	1.66
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	5	1.66
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	9	1.66
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	9	1.66
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	9	1.66
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	20	1.66
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	3	1.66
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	4	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	8	1.66
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	9	1.66
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	10	1.66
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	12	1.66
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	13	1.66
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	14	1.66
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	16	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	1	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	2	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	3	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	4	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	5	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	6	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	7	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	8	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	9	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	10	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	11	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	12	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	13	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	14	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	15	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	16	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	17	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	18	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	19	1.66
(2,1592)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	20	1.66
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	1	1.66
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	2	1.66
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	14	1.66
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	18	1.66
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	19	1.66
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	1	1.66
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	13	1.66
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	18	1.66
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	20	1.66
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	2	1.66
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	5	1.66
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	7	1.66
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	1	1.66
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	2	1.66
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	1	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	6	1.66
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	11	1.66
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	11	1.66
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	11	1.66
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	5	1.66
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	5	1.66
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	5	1.66
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	13	1.66
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	13	1.66
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	13	1.66
(2,1472)	1:65:A:ILE:HG21	1:65:A:ILE:HA	17	1.66
(2,1472)	1:65:A:ILE:HG22	1:65:A:ILE:HA	17	1.66
(2,1472)	1:65:A:ILE:HG23	1:65:A:ILE:HA	17	1.66
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	15	1.66
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	15	1.66
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	15	1.66
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	4	1.66
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	11	1.66
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	19	1.66
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	9	1.66
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	9	1.66
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	9	1.66
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	19	1.66
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	19	1.66
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	19	1.66
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	20	1.66
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	20	1.66
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	20	1.66
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	19	1.66
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	19	1.66
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	19	1.66
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	18	1.66
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	4	1.66
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	4	1.66
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	4	1.66
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	14	1.66
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	14	1.66
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	14	1.66
(2,1269)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	11	1.66
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	4	1.66
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	8	1.66
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	9	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	12	1.66
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	17	1.66
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	20	1.66
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	5	1.66
(2,1179)	1:63:A:VAL:HA	1:64:A:SER:H	12	1.66
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	1	1.66
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	15	1.66
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	18	1.66
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	5	1.66
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	8	1.66
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	6	1.66
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	8	1.66
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	9	1.66
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	15	1.66
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	15	1.66
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	15	1.66
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	15	1.66
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	3	1.66
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	3	1.66
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	3	1.66
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	13	1.66
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	13	1.66
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	13	1.66
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	17	1.66
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	17	1.66
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	17	1.66
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	5	1.66
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	13	1.66
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	19	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	1	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	2	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	3	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	4	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	5	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	6	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	7	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	8	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	9	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	10	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	11	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	12	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	13	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	14	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	15	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	16	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	17	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	18	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	19	1.66
(2,932)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	20	1.66
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	16	1.66
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	9	1.66
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	9	1.66
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	9	1.66
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	12	1.66
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	2	1.66
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	12	1.66
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	18	1.66
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	9	1.66
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	13	1.66
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	20	1.66
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	20	1.66
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	20	1.66
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	20	1.66
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	3	1.66
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	3	1.66
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	3	1.66
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	5	1.66
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	5	1.66
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	5	1.66
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	14	1.66
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	14	1.66
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	14	1.66
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	3	1.66
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	4	1.66
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	5	1.66
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	12	1.66
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	17	1.66
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	9	1.66
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	9	1.66
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	9	1.66
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	13	1.66
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	13	1.66
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	13	1.66
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	15	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	15	1.66
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	15	1.66
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	1	1.66
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	9	1.66
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	13	1.66
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	15	1.66
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	17	1.66
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	19	1.66
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	14	1.66
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	17	1.66
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	19	1.66
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	8	1.66
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	8	1.66
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	8	1.66
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	6	1.66
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	12	1.66
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	16	1.66
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	18	1.66
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	19	1.66
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	11	1.66
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	4	1.66
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	4	1.66
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	4	1.66
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	9	1.66
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	9	1.66
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	9	1.66
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	13	1.66
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	13	1.66
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	13	1.66
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	8	1.66
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	10	1.66
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	13	1.66
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	14	1.66
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	9	1.66
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	4	1.66
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	4	1.66
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	4	1.66
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	15	1.66
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	15	1.66
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	15	1.66
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	19	1.66
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	6	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	9	1.66
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	17	1.66
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	3	1.66
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	3	1.66
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	3	1.66
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	9	1.66
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	9	1.66
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	9	1.66
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	17	1.66
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	17	1.66
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	17	1.66
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	14	1.66
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	6	1.66
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	10	1.66
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	12	1.66
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	15	1.66
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	17	1.66
(2,365)	1:57:A:ILE:HA	1:57:A:ILE:H	11	1.66
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	16	1.66
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	16	1.66
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	16	1.66
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	4	1.66
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	4	1.66
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	4	1.66
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	12	1.66
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	12	1.66
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	12	1.66
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	17	1.66
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	17	1.66
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	17	1.66
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	2	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	6	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	6	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	6	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	10	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	10	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	10	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	11	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	11	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	11	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	13	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	13	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	13	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	16	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	16	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	16	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	18	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	18	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	18	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	19	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	19	1.66
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	19	1.66
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	1	1.66
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	9	1.66
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	10	1.66
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	11	1.66
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	12	1.66
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	16	1.66
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	3	1.66
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	2	1.66
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	4	1.66
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	10	1.66
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	12	1.66
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	13	1.66
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	16	1.66
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	17	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	1	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	3	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	5	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	6	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	7	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	8	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	9	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	10	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	11	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	12	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	13	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	14	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	15	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	16	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	18	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	19	1.66
(2,51)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	20	1.66
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	10	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	5	1.65
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	9	1.65
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	5	1.65
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	9	1.65
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	18	1.65
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	18	1.65
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	18	1.65
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	19	1.65
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	2	1.65
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	2	1.65
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	2	1.65
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	2	1.65
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	2	1.65
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	2	1.65
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	7	1.65
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	7	1.65
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	7	1.65
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	7	1.65
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	7	1.65
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	7	1.65
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	15	1.65
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	15	1.65
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	15	1.65
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	15	1.65
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	15	1.65
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	15	1.65
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	10	1.65
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	13	1.65
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	13	1.65
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	13	1.65
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	5	1.65
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	5	1.65
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	17	1.65
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	17	1.65
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	5	1.65
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	10	1.65
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	16	1.65
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	2	1.65
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	20	1.65
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	13	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	1	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	2	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	3	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	4	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	5	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	6	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	7	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	8	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	9	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	11	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	12	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	14	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	15	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	16	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	18	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	19	1.65
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	20	1.65
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	17	1.65
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	1	1.65
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	17	1.65
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	1	1.65
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	2	1.65
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	3	1.65
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	5	1.65
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	6	1.65
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	8	1.65
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	11	1.65
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	15	1.65
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	18	1.65
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	20	1.65
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	17	1.65
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	7	1.65
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	13	1.65
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	14	1.65
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	18	1.65
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	16	1.65
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	16	1.65
(2,2467)	1:58:A:PRO:HD3	1:58:A:PRO:HG3	3	1.65
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	9	1.65
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	9	1.65
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	9	1.65
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	1	1.65
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	7	1.65
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	11	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG21	11	1.65
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG22	11	1.65
(2,2439)	1:71:A:THR:HA	1:81:A:THR:HG23	11	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	2	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	2	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	2	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	7	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	7	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	7	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	9	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	9	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	9	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	13	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	13	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	13	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	15	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	15	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	15	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	17	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	17	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	17	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	19	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	19	1.65
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	19	1.65
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	1	1.65
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	3	1.65
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	5	1.65
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	8	1.65
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	10	1.65
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	19	1.65
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	2	1.65
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	3	1.65
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	5	1.65
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	14	1.65
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	20	1.65
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	3	1.65
(2,2410)	1:122:A:HIS:HB2	1:122:A:HIS:HB3	13	1.65
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	3	1.65
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	3	1.65
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	3	1.65
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	15	1.65
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	15	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	15	1.65
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	12	1.65
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	15	1.65
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	16	1.65
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	18	1.65
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	18	1.65
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	18	1.65
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	7	1.65
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	13	1.65
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	4	1.65
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	16	1.65
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	19	1.65
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	20	1.65
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	20	1.65
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	20	1.65
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	20	1.65
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	20	1.65
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	20	1.65
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	20	1.65
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	20	1.65
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	20	1.65
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	19	1.65
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	19	1.65
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	19	1.65
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	9	1.65
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	2	1.65
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	4	1.65
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	6	1.65
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	9	1.65
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	11	1.65
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	14	1.65
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	19	1.65
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	19	1.65
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	19	1.65
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	13	1.65
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	16	1.65
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	18	1.65
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	7	1.65
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	7	1.65
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	7	1.65
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	13	1.65
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	13	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	13	1.65
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	1	1.65
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	5	1.65
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	11	1.65
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	15	1.65
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	17	1.65
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	19	1.65
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	20	1.65
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	2	1.65
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	4	1.65
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	4	1.65
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	4	1.65
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	20	1.65
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	20	1.65
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	20	1.65
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	2	1.65
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	6	1.65
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	17	1.65
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	6	1.65
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	11	1.65
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	5	1.65
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	9	1.65
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	16	1.65
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	19	1.65
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	4	1.65
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	14	1.65
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	18	1.65
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	4	1.65
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	5	1.65
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	4	1.65
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	17	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	2	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	2	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	2	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	3	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	3	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	3	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	5	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	5	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	5	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	6	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	6	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	6	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	7	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	7	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	7	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	8	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	8	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	8	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	9	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	9	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	9	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	12	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	12	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	12	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	13	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	13	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	13	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	14	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	14	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	14	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	15	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	15	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	15	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	16	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	16	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	16	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	17	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	17	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	17	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	18	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	18	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	18	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	19	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	19	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	19	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	20	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	20	1.65
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	20	1.65
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	5	1.65
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	5	1.65
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	5	1.65
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	7	1.65
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	16	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1435)	1:40:A:LEU:HB3	1:41:A:THR:H	20	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	1	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	1	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	1	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	2	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	2	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	2	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	3	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	3	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	3	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	4	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	4	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	4	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	5	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	5	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	5	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	6	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	6	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	6	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	7	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	7	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	7	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	8	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	8	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	8	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	9	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	9	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	9	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	10	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	10	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	10	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	11	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	11	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	11	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	12	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	12	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	12	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	13	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	13	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	13	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	14	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	14	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	14	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	15	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	15	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	15	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	16	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	16	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	16	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	17	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	17	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	17	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	18	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	18	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	18	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	19	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	19	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	19	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG21	20	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG22	20	1.65
(2,1433)	1:81:A:THR:HB	1:81:A:THR:HG23	20	1.65
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	11	1.65
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	11	1.65
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	11	1.65
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	12	1.65
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	12	1.65
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	12	1.65
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	11	1.65
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	11	1.65
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	11	1.65
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	1	1.65
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	1	1.65
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	1	1.65
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	14	1.65
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	14	1.65
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	14	1.65
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	4	1.65
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	6	1.65
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	1	1.65
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	2	1.65
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	5	1.65
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	15	1.65
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	3	1.65
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	6	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	10	1.65
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	14	1.65
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	1	1.65
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	3	1.65
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	7	1.65
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	10	1.65
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	13	1.65
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	19	1.65
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	16	1.65
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	10	1.65
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	10	1.65
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	10	1.65
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	1	1.65
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	3	1.65
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	3	1.65
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	3	1.65
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	5	1.65
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	5	1.65
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	5	1.65
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	7	1.65
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	7	1.65
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	7	1.65
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	9	1.65
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	9	1.65
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	9	1.65
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	12	1.65
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	12	1.65
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	12	1.65
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	14	1.65
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	14	1.65
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	14	1.65
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	15	1.65
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	15	1.65
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	15	1.65
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	19	1.65
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	19	1.65
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	19	1.65
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	20	1.65
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	20	1.65
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	20	1.65
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	20	1.65
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	20	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	20	1.65
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	7	1.65
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	1	1.65
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	1	1.65
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	1	1.65
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	3	1.65
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	10	1.65
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	15	1.65
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	7	1.65
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	3	1.65
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	4	1.65
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	15	1.65
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	2	1.65
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	12	1.65
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	17	1.65
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	4	1.65
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	4	1.65
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	4	1.65
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	8	1.65
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	8	1.65
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	8	1.65
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	14	1.65
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	14	1.65
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	14	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	1	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	2	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	3	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	4	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	5	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	6	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	7	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	8	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	9	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	10	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	12	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	13	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	14	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	15	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	16	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	17	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	18	1.65
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	19	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	20	1.65
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	13	1.65
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	13	1.65
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	13	1.65
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	18	1.65
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	18	1.65
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	18	1.65
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	19	1.65
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	19	1.65
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	19	1.65
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	10	1.65
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	20	1.65
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	6	1.65
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	6	1.65
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	6	1.65
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	3	1.65
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	10	1.65
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	12	1.65
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	18	1.65
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	4	1.65
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	18	1.65
(2,725)	1:134:A:ILE:HG13	1:134:A:ILE:HB	20	1.65
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	14	1.65
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	9	1.65
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	9	1.65
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	9	1.65
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	10	1.65
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	10	1.65
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	10	1.65
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	14	1.65
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	14	1.65
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	14	1.65
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	2	1.65
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	3	1.65
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	4	1.65
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	6	1.65
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	12	1.65
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	19	1.65
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	2	1.65
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	2	1.65
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	9	1.65
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	14	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	18	1.65
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	8	1.65
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	13	1.65
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	3	1.65
(2,537)	1:29:A:LEU:HD21	1:29:A:LEU:HA	1	1.65
(2,537)	1:29:A:LEU:HD22	1:29:A:LEU:HA	1	1.65
(2,537)	1:29:A:LEU:HD23	1:29:A:LEU:HA	1	1.65
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	12	1.65
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	1	1.65
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	10	1.65
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	16	1.65
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	3	1.65
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	8	1.65
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	14	1.65
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG21	6	1.65
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG22	6	1.65
(2,447)	1:46:A:ILE:H	1:46:A:ILE:HG23	6	1.65
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	1	1.65
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	1	1.65
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	1	1.65
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	10	1.65
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	10	1.65
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	10	1.65
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	11	1.65
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	11	1.65
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	11	1.65
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	13	1.65
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	13	1.65
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	13	1.65
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	1	1.65
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	18	1.65
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	1	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	1	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	2	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	3	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	4	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	5	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	6	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	7	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	8	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	9	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	10	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	11	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	12	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	13	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	14	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	15	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	16	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	17	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	18	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	19	1.65
(2,396)	1:74:A:LEU:HB2	1:74:A:LEU:HB3	20	1.65
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	3	1.65
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	4	1.65
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	20	1.65
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	9	1.65
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	9	1.65
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	9	1.65
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	7	1.65
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	7	1.65
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	7	1.65
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	8	1.65
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	8	1.65
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	8	1.65
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	9	1.65
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	9	1.65
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	9	1.65
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	14	1.65
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	14	1.65
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	14	1.65
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	15	1.65
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	15	1.65
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	15	1.65
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	18	1.65
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	18	1.65
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	18	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	1	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	1	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	1	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	3	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	3	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	3	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	4	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	4	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	4	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	9	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	9	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	9	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	12	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	12	1.65
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	12	1.65
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	7	1.65
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	13	1.65
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	19	1.65
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	2	1.65
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	3	1.65
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	4	1.65
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	18	1.65
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	13	1.65
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	13	1.65
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	13	1.65
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	20	1.65
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	1	1.65
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	3	1.65
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	7	1.65
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	8	1.65
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	9	1.65
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	18	1.65
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	20	1.65
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	14	1.65
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	1	1.65
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	9	1.65
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	14	1.65
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	19	1.65
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	6	1.65
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	6	1.65
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	9	1.64
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	14	1.64
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	14	1.64
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	6	1.64
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	6	1.64
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	6	1.64
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	6	1.64
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	6	1.64
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	6	1.64
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	12	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	12	1.64
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	12	1.64
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	12	1.64
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	12	1.64
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	12	1.64
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	9	1.64
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	14	1.64
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	14	1.64
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	14	1.64
(2,3123)	1:78:A:VAL:HG21	1:78:A:VAL:H	5	1.64
(2,3123)	1:78:A:VAL:HG22	1:78:A:VAL:H	5	1.64
(2,3123)	1:78:A:VAL:HG23	1:78:A:VAL:H	5	1.64
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	12	1.64
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	12	1.64
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	16	1.64
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	16	1.64
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	9	1.64
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	1	1.64
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	6	1.64
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	19	1.64
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	10	1.64
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	13	1.64
(2,2847)	1:57:A:ILE:HA	1:57:A:ILE:HB	17	1.64
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	19	1.64
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	19	1.64
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	19	1.64
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	12	1.64
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	16	1.64
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	4	1.64
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	7	1.64
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	9	1.64
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	10	1.64
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	12	1.64
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	13	1.64
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	14	1.64
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	16	1.64
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	17	1.64
(2,2709)	1:158:A:PRO:HD3	1:158:A:PRO:HG3	19	1.64
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	15	1.64
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	15	1.64
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	15	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	1	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	2	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	3	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	4	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	5	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	6	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	7	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	8	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	9	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	10	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	12	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	13	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	14	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	15	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	16	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	17	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	18	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	19	1.64
(2,2661)	1:53:A:ASP:HB2	1:53:A:ASP:HB3	20	1.64
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	1	1.64
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	11	1.64
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	5	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	6	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	6	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	6	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	10	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	10	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	10	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	12	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	12	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	12	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	14	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	14	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	14	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	15	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	15	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	15	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	17	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	17	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	17	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	18	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	18	1.64
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	18	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	3	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	4	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	4	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	4	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	5	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	5	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	5	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	10	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	10	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	10	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	14	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	14	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	14	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	18	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	18	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	18	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	20	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	20	1.64
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	20	1.64
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	2	1.64
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	11	1.64
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	9	1.64
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	10	1.64
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	11	1.64
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	13	1.64
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	16	1.64
(2,2423)	1:59:A:TYR:HB3	1:59:A:TYR:HA	19	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	1	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	2	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	3	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	4	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	5	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	6	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	7	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	8	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	9	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	10	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	11	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	12	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	13	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	14	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	15	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	16	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	17	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	18	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	19	1.64
(2,2375)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	20	1.64
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	1	1.64
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	1	1.64
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	1	1.64
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	12	1.64
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	12	1.64
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	12	1.64
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	13	1.64
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	13	1.64
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	13	1.64
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	20	1.64
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	20	1.64
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	20	1.64
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	5	1.64
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	8	1.64
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	9	1.64
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	19	1.64
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	14	1.64
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	5	1.64
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	8	1.64
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	7	1.64
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	7	1.64
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	7	1.64
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	8	1.64
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	8	1.64
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	8	1.64
(2,2180)	1:126:A:HIS:H	1:125:A:ILE:HA	20	1.64
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	5	1.64
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	5	1.64
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	5	1.64
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	5	1.64
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	5	1.64
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	5	1.64
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	5	1.64
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	5	1.64
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	5	1.64
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	8	1.64
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	8	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	8	1.64
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	10	1.64
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	13	1.64
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	20	1.64
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	2	1.64
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	6	1.64
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	12	1.64
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	13	1.64
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	14	1.64
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	15	1.64
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	17	1.64
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	1	1.64
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	2	1.64
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	8	1.64
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	9	1.64
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	10	1.64
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	11	1.64
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	14	1.64
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	16	1.64
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	18	1.64
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	15	1.64
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	15	1.64
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	15	1.64
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	4	1.64
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	12	1.64
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	13	1.64
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	11	1.64
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	11	1.64
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	11	1.64
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	19	1.64
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	12	1.64
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	12	1.64
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	12	1.64
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	10	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	1	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	1	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	1	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	2	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	2	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	2	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	3	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	3	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	3	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	4	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	4	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	4	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	5	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	5	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	5	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	6	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	6	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	6	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	8	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	8	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	8	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	9	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	9	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	9	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	10	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	10	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	10	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	11	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	11	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	11	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	12	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	12	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	12	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	14	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	14	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	14	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	16	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	16	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	16	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	17	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	17	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	17	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	18	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	18	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	18	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	19	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	19	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	19	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD21	20	1.64
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD22	20	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1817)	1:36:A:LEU:HG	1:36:A:LEU:HD23	20	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	1	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	2	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	3	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	4	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	5	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	6	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	7	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	8	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	9	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	10	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	13	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	14	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	15	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	16	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	17	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	18	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	19	1.64
(2,1803)	1:145:A:MET:HB3	1:145:A:MET:HG3	20	1.64
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	12	1.64
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	12	1.64
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	12	1.64
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	3	1.64
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	4	1.64
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	6	1.64
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG21	16	1.64
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG22	16	1.64
(2,1728)	1:151:A:ILE:HG12	1:151:A:ILE:HG23	16	1.64
(2,1691)	1:81:A:THR:HG21	1:81:A:THR:HA	11	1.64
(2,1691)	1:81:A:THR:HG22	1:81:A:THR:HA	11	1.64
(2,1691)	1:81:A:THR:HG23	1:81:A:THR:HA	11	1.64
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	7	1.64
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	7	1.64
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	7	1.64
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	11	1.64
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	11	1.64
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	11	1.64
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	19	1.64
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	19	1.64
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	19	1.64
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	20	1.64
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	20	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	20	1.64
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	12	1.64
(2,1594)	1:157:A:VAL:HB	1:157:A:VAL:HA	19	1.64
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	3	1.64
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	12	1.64
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	4	1.64
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	6	1.64
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	7	1.64
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	8	1.64
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	14	1.64
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	15	1.64
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	12	1.64
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	16	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	1	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	1	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	1	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	3	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	3	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	3	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	4	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	4	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	4	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	5	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	5	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	5	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	6	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	6	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	6	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	7	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	7	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	7	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	8	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	8	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	8	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	9	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	9	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	9	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	10	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	10	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	10	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	11	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	11	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	11	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	12	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	12	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	12	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	13	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	13	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	13	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	14	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	14	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	14	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	15	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	15	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	15	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	16	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	16	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	16	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	17	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	17	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	17	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	18	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	18	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	18	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	19	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	19	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	19	1.64
(2,1554)	1:86:A:VAL:HG21	1:86:A:VAL:HB	20	1.64
(2,1554)	1:86:A:VAL:HG22	1:86:A:VAL:HB	20	1.64
(2,1554)	1:86:A:VAL:HG23	1:86:A:VAL:HB	20	1.64
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	11	1.64
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	1	1.64
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	1	1.64
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	1	1.64
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	4	1.64
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	4	1.64
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	4	1.64
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG21	10	1.64
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG22	10	1.64
(2,1530)	1:95:A:THR:HB	1:95:A:THR:HG23	10	1.64
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	2	1.64
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	2	1.64
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	2	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	1	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	1	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	1	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	2	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	2	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	2	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	3	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	3	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	3	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	4	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	4	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	4	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	15	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	15	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	15	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	20	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	20	1.64
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	20	1.64
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	4	1.64
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	5	1.64
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	9	1.64
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	10	1.64
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	12	1.64
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	13	1.64
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	14	1.64
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	16	1.64
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	17	1.64
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	19	1.64
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	3	1.64
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	3	1.64
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	3	1.64
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	6	1.64
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	6	1.64
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	6	1.64
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	13	1.64
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	13	1.64
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	13	1.64
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	3	1.64
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	10	1.64
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	16	1.64
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	2	1.64
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	5	1.64
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	15	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	13	1.64
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	19	1.64
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	2	1.64
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	4	1.64
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	5	1.64
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	12	1.64
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	14	1.64
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	15	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	1	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	1	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	1	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	2	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	2	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	2	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	3	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	3	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	3	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	4	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	4	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	4	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	5	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	5	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	5	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	6	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	6	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	6	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	7	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	7	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	7	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	8	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	8	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	8	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	9	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	9	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	9	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	11	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	11	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	11	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	12	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	12	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	12	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	13	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	13	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	13	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	14	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	14	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	14	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	15	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	15	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	15	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	16	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	16	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	16	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	17	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	17	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	17	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	18	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	18	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	18	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	19	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	19	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	19	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG21	20	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG22	20	1.64
(2,1102)	1:164:A:THR:HB	1:164:A:THR:HG23	20	1.64
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	9	1.64
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	9	1.64
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	9	1.64
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	10	1.64
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	10	1.64
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	10	1.64
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	11	1.64
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	11	1.64
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	11	1.64
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	16	1.64
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	16	1.64
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	16	1.64
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	19	1.64
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	19	1.64
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	19	1.64
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	20	1.64
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	20	1.64
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	20	1.64
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	10	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	10	1.64
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	1	1.64
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	1	1.64
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	1	1.64
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	2	1.64
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	2	1.64
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	2	1.64
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	4	1.64
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	4	1.64
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	4	1.64
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	10	1.64
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	10	1.64
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	10	1.64
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	13	1.64
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	13	1.64
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	13	1.64
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	18	1.64
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	18	1.64
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	18	1.64
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	7	1.64
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	7	1.64
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	7	1.64
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	9	1.64
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	9	1.64
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	9	1.64
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	15	1.64
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	16	1.64
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	3	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	4	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	4	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	4	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	5	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	5	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	5	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	6	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	6	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	6	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	7	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	7	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	7	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	8	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	8	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	8	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	9	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	9	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	9	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	11	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	11	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	11	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	12	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	12	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	12	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	13	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	13	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	13	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	14	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	14	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	14	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	15	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	15	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	15	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	16	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	16	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	16	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	17	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	17	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	17	1.64
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	20	1.64
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	20	1.64
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	20	1.64
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	20	1.64
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	9	1.64
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	13	1.64
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	3	1.64
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	3	1.64
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	3	1.64
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	11	1.64
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	8	1.64
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	1	1.64
(2,848)	1:53:A:ASP:HB2	1:53:A:ASP:HA	2	1.64
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	10	1.64
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	10	1.64
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	10	1.64
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	10	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,835)	1:70:A:LEU:HB2	1:70:A:LEU:HB3	11	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	1	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	1	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	1	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	4	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	4	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	4	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	6	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	6	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	6	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	8	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	8	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	8	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	9	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	9	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	9	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	10	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	10	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	10	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	11	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	11	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	11	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	12	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	12	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	12	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	17	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	17	1.64
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	17	1.64
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	3	1.64
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	3	1.64
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	3	1.64
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	10	1.64
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	10	1.64
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	10	1.64
(2,744)	1:152:A:GLU:H	1:152:A:GLU:HB2	15	1.64
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	20	1.64
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	12	1.64
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	12	1.64
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	12	1.64
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	14	1.64
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	1	1.64
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	1	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	1	1.64
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	16	1.64
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	16	1.64
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	16	1.64
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	2	1.64
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	8	1.64
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	1	1.64
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	1	1.64
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	1	1.64
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	2	1.64
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	2	1.64
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	2	1.64
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	8	1.64
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	8	1.64
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	8	1.64
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	1	1.64
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	5	1.64
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	9	1.64
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	14	1.64
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	16	1.64
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	17	1.64
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	18	1.64
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	11	1.64
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	11	1.64
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	11	1.64
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	4	1.64
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	20	1.64
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	1	1.64
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	5	1.64
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	11	1.64
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	12	1.64
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	1	1.64
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	1	1.64
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	1	1.64
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	3	1.64
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	3	1.64
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	3	1.64
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	4	1.64
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	4	1.64
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	4	1.64
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	7	1.64
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	7	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	7	1.64
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	9	1.64
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	9	1.64
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	9	1.64
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	17	1.64
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	17	1.64
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	17	1.64
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	19	1.64
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	19	1.64
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	19	1.64
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	15	1.64
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	15	1.64
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	15	1.64
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	18	1.64
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	18	1.64
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	18	1.64
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	2	1.64
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	5	1.64
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	10	1.64
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	12	1.64
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	14	1.64
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	16	1.64
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	17	1.64
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	19	1.64
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	20	1.64
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	6	1.64
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	19	1.64
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG21	11	1.64
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG22	11	1.64
(2,476)	1:101:A:ILE:HA	1:101:A:ILE:HG23	11	1.64
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	4	1.64
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	3	1.64
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	4	1.64
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	13	1.64
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	19	1.64
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	9	1.64
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	10	1.64
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	15	1.64
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	13	1.64
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	18	1.64
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	11	1.64
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	2	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	2	1.64
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	2	1.64
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	6	1.64
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	6	1.64
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	6	1.64
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	13	1.64
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	13	1.64
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	13	1.64
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	16	1.64
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	5	1.64
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	5	1.64
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	5	1.64
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	14	1.64
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	14	1.64
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	14	1.64
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	16	1.64
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	16	1.64
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	5	1.64
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	13	1.64
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	14	1.64
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	15	1.64
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	19	1.64
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	15	1.64
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	2	1.64
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	2	1.64
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	2	1.64
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	14	1.64
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	14	1.64
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	14	1.64
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	4	1.64
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	13	1.64
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	2	1.64
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	4	1.64
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	12	1.64
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	13	1.64
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	18	1.64
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	6	1.64
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	12	1.64
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	13	1.64
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	13	1.64
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	15	1.64
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	15	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	19	1.63
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	2	1.63
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	2	1.63
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	5	1.63
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	5	1.63
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	5	1.63
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD1	9	1.63
(3,23)	1:90:A:LEU:HD11	1:123:A:TYR:HD2	9	1.63
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD1	9	1.63
(3,23)	1:90:A:LEU:HD12	1:123:A:TYR:HD2	9	1.63
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD1	9	1.63
(3,23)	1:90:A:LEU:HD13	1:123:A:TYR:HD2	9	1.63
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	4	1.63
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	4	1.63
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	4	1.63
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	8	1.63
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	11	1.63
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	11	1.63
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	11	1.63
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	10	1.63
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	16	1.63
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	11	1.63
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	11	1.63
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	5	1.63
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	5	1.63
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	5	1.63
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	8	1.63
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	8	1.63
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	8	1.63
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	15	1.63
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	15	1.63
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	15	1.63
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	16	1.63
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	16	1.63
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	16	1.63
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	20	1.63
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	20	1.63
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	20	1.63
(2,2741)	1:52:A:PRO:HB2	1:53:A:ASP:H	11	1.63
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	8	1.63
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	13	1.63
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	19	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2697)	1:89:A:ILE:HD11	1:89:A:ILE:HA	20	1.63
(2,2697)	1:89:A:ILE:HD12	1:89:A:ILE:HA	20	1.63
(2,2697)	1:89:A:ILE:HD13	1:89:A:ILE:HA	20	1.63
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	6	1.63
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	8	1.63
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	17	1.63
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	18	1.63
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	6	1.63
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	15	1.63
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	19	1.63
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	1	1.63
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	1	1.63
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	1	1.63
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	3	1.63
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	3	1.63
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	3	1.63
(2,2458)	1:70:A:LEU:HD21	1:70:A:LEU:H	11	1.63
(2,2458)	1:70:A:LEU:HD22	1:70:A:LEU:H	11	1.63
(2,2458)	1:70:A:LEU:HD23	1:70:A:LEU:H	11	1.63
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG21	6	1.63
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG22	6	1.63
(2,2430)	1:42:A:ALA:H	1:41:A:THR:HG23	6	1.63
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	12	1.63
(2,2383)	1:24:A:ILE:HD11	1:19:A:ALA:HA	8	1.63
(2,2383)	1:24:A:ILE:HD12	1:19:A:ALA:HA	8	1.63
(2,2383)	1:24:A:ILE:HD13	1:19:A:ALA:HA	8	1.63
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	3	1.63
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	7	1.63
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	9	1.63
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	16	1.63
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	16	1.63
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	17	1.63
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	1	1.63
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	12	1.63
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	16	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	1	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	1	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	1	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	2	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	2	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	2	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	3	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	3	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	3	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	4	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	4	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	4	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	5	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	5	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	5	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	6	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	6	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	6	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	10	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	10	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	10	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	13	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	13	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	13	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	15	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	15	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	15	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	18	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	18	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	18	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	19	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	19	1.63
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	19	1.63
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	6	1.63
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	6	1.63
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	6	1.63
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	6	1.63
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	6	1.63
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	6	1.63
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	6	1.63
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	6	1.63
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	6	1.63
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	9	1.63
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	9	1.63
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	9	1.63
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	9	1.63
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	9	1.63
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	9	1.63
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	9	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	9	1.63
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	9	1.63
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	13	1.63
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	13	1.63
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	13	1.63
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	13	1.63
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	13	1.63
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	13	1.63
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	13	1.63
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	13	1.63
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	13	1.63
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	2	1.63
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	2	1.63
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	2	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	1	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	2	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	3	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	4	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	5	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	6	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	7	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	8	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	9	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	10	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	11	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	12	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	13	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	14	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	15	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	16	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	17	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	18	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	19	1.63
(2,2141)	1:62:A:ALA:HA	1:62:A:ALA:H	20	1.63
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	11	1.63
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	16	1.63
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	18	1.63
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	16	1.63
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	18	1.63
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	19	1.63
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	1	1.63
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	3	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	4	1.63
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	5	1.63
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	7	1.63
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	8	1.63
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	9	1.63
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	10	1.63
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	11	1.63
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	16	1.63
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	18	1.63
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	19	1.63
(2,2065)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	20	1.63
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	3	1.63
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	4	1.63
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	5	1.63
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	7	1.63
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	12	1.63
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	13	1.63
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	15	1.63
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	17	1.63
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	19	1.63
(2,2052)	1:116:A:LEU:HB2	1:116:A:LEU:HA	20	1.63
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	13	1.63
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	7	1.63
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	16	1.63
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	18	1.63
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	19	1.63
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	10	1.63
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	4	1.63
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	15	1.63
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	16	1.63
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	7	1.63
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	8	1.63
(2,1587)	1:120:A:LYS:HA	1:120:A:LYS:HB3	9	1.63
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	2	1.63
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	3	1.63
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	10	1.63
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	17	1.63
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	19	1.63
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	8	1.63
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	14	1.63
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	18	1.63
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	16	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	13	1.63
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	19	1.63
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	6	1.63
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	6	1.63
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	6	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	5	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	5	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	5	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	8	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	8	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	8	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	16	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	16	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	16	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	18	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	18	1.63
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	18	1.63
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	3	1.63
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	1	1.63
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	2	1.63
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	3	1.63
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	6	1.63
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	7	1.63
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	8	1.63
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	11	1.63
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	15	1.63
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	18	1.63
(2,1345)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	20	1.63
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	3	1.63
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	3	1.63
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	3	1.63
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	10	1.63
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	10	1.63
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	10	1.63
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	2	1.63
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	2	1.63
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	2	1.63
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	5	1.63
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	5	1.63
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	5	1.63
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	9	1.63
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	9	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	9	1.63
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	10	1.63
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	10	1.63
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	10	1.63
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	15	1.63
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	15	1.63
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	15	1.63
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	18	1.63
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	18	1.63
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	18	1.63
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	6	1.63
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	6	1.63
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	6	1.63
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	11	1.63
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	11	1.63
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	11	1.63
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	14	1.63
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	16	1.63
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	3	1.63
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	11	1.63
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	16	1.63
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	17	1.63
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	5	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	1	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	1	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	1	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	2	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	2	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	2	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	3	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	3	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	3	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	4	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	4	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	4	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	5	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	5	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	5	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	6	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	6	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	6	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	7	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	7	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	7	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	8	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	8	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	8	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	12	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	12	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	12	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	13	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	13	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	13	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	14	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	14	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	14	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	15	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	15	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	15	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	17	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	17	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	17	1.63
(2,1072)	1:51:A:LEU:HD21	1:51:A:LEU:HG	18	1.63
(2,1072)	1:51:A:LEU:HD22	1:51:A:LEU:HG	18	1.63
(2,1072)	1:51:A:LEU:HD23	1:51:A:LEU:HG	18	1.63
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	8	1.63
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	8	1.63
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	8	1.63
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	12	1.63
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	20	1.63
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	2	1.63
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	2	1.63
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	2	1.63
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	3	1.63
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	3	1.63
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	3	1.63
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	10	1.63
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	10	1.63
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	10	1.63
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	18	1.63
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	18	1.63
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	18	1.63
(2,996)	1:47:A:VAL:HG21	1:47:A:VAL:HB	19	1.63
(2,996)	1:47:A:VAL:HG22	1:47:A:VAL:HB	19	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,996)	1:47:A:VAL:HG23	1:47:A:VAL:HB	19	1.63
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	13	1.63
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	17	1.63
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	17	1.63
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	17	1.63
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	14	1.63
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	14	1.63
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	14	1.63
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	5	1.63
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	12	1.63
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	5	1.63
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	5	1.63
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	2	1.63
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	13	1.63
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	18	1.63
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	8	1.63
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	2	1.63
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	2	1.63
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	2	1.63
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	5	1.63
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	5	1.63
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	5	1.63
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	15	1.63
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	15	1.63
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	15	1.63
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	16	1.63
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	16	1.63
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	16	1.63
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	2	1.63
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	2	1.63
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	2	1.63
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	15	1.63
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	15	1.63
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	15	1.63
(2,782)	1:105:A:ARG:HG3	1:105:A:ARG:HA	2	1.63
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	17	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	2	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	2	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	2	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	4	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	4	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	4	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	5	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	5	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	5	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	12	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	12	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	12	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	13	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	13	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	13	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	14	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	14	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	14	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	15	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	15	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	15	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	18	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	18	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	18	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	20	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	20	1.63
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	20	1.63
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	11	1.63
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	17	1.63
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	6	1.63
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	6	1.63
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	6	1.63
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	10	1.63
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	10	1.63
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	3	1.63
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	7	1.63
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	8	1.63
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	10	1.63
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	13	1.63
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	15	1.63
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	2	1.63
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	2	1.63
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	2	1.63
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	6	1.63
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	6	1.63
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	6	1.63
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	8	1.63
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	8	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	8	1.63
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	10	1.63
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	10	1.63
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	10	1.63
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	12	1.63
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	12	1.63
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	12	1.63
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	13	1.63
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	13	1.63
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	13	1.63
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	14	1.63
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	14	1.63
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	14	1.63
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	15	1.63
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	15	1.63
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	15	1.63
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	18	1.63
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	18	1.63
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	18	1.63
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	6	1.63
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	6	1.63
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	6	1.63
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	16	1.63
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	16	1.63
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	16	1.63
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	19	1.63
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	19	1.63
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	19	1.63
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	1	1.63
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	3	1.63
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	7	1.63
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	9	1.63
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	11	1.63
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	15	1.63
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	18	1.63
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	2	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	1	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	1	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	1	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	2	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	2	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	2	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	3	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	3	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	3	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	4	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	4	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	4	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	5	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	5	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	5	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	7	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	7	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	7	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	9	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	9	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	9	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	10	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	10	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	10	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	12	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	12	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	12	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	13	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	13	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	13	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	14	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	14	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	14	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	15	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	15	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	15	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	16	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	16	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	16	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	17	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	17	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	17	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	18	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	18	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	18	1.63
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	19	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	19	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	19	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	20	1.63
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	20	1.63
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	20	1.63
(2,524)	1:167:A:ARG:HA	1:167:A:ARG:H	9	1.63
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	9	1.63
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	9	1.63
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	9	1.63
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	19	1.63
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	19	1.63
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	19	1.63
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	20	1.63
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	20	1.63
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	20	1.63
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	17	1.63
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	11	1.63
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	18	1.63
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	3	1.63
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	6	1.63
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	8	1.63
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	12	1.63
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	13	1.63
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	5	1.63
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	16	1.63
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	14	1.63
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	14	1.63
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	3	1.63
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	13	1.63
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	3	1.63
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	1	1.63
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	1	1.63
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	1	1.63
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	3	1.63
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	3	1.63
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	3	1.63
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	11	1.63
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	11	1.63
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	11	1.63
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	17	1.63
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	7	1.63
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	7	1.63
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	7	1.63
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	15	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,213)	1:5:A:LEU:HB2	1:5:A:LEU:HG	7	1.63
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	6	1.63
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	6	1.63
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	6	1.63
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	16	1.63
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	16	1.63
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	16	1.63
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	17	1.63
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	17	1.63
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	17	1.63
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	3	1.63
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	5	1.63
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	10	1.63
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	11	1.63
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	15	1.63
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	16	1.63
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	17	1.63
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	11	1.63
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	11	1.63
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	11	1.63
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	11	1.63
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	11	1.63
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	11	1.63
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	11	1.63
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	11	1.63
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	11	1.63
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	11	1.63
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	12	1.63
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	12	1.63
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	12	1.63
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	12	1.63
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	12	1.63
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	12	1.63
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	12	1.63
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	12	1.63
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	12	1.63
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	12	1.62
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	13	1.62
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	12	1.62
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	13	1.62
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	13	1.62
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	15	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	5	1.62
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	5	1.62
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	19	1.62
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	19	1.62
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	4	1.62
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	10	1.62
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	17	1.62
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	9	1.62
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	9	1.62
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	9	1.62
(2,3117)	1:59:A:TYR:HD1	1:59:A:TYR:HA	4	1.62
(2,3117)	1:59:A:TYR:HD2	1:59:A:TYR:HA	4	1.62
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	3	1.62
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	6	1.62
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	13	1.62
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	14	1.62
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	15	1.62
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	17	1.62
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	19	1.62
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	5	1.62
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	20	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	1	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	1	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	1	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	2	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	2	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	2	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	3	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	3	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	3	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	4	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	4	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	4	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	5	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	5	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	5	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	6	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	6	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	6	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	7	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	7	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	7	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	8	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	8	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	8	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	9	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	9	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	9	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	10	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	10	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	10	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	11	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	11	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	11	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	12	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	12	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	12	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	13	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	13	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	13	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	14	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	14	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	14	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	15	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	15	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	15	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	16	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	16	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	16	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	17	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	17	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	17	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	18	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	18	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	18	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	19	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	19	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	19	1.62
(2,2931)	1:154:A:ALA:HB1	1:154:A:ALA:HA	20	1.62
(2,2931)	1:154:A:ALA:HB2	1:154:A:ALA:HA	20	1.62
(2,2931)	1:154:A:ALA:HB3	1:154:A:ALA:HA	20	1.62
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	4	1.62
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	8	1.62
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	9	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	12	1.62
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	17	1.62
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	20	1.62
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	7	1.62
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	20	1.62
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	2	1.62
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	2	1.62
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	2	1.62
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD11	4	1.62
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD12	4	1.62
(2,2796)	1:151:A:ILE:HB	1:151:A:ILE:HD13	4	1.62
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	16	1.62
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	10	1.62
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	18	1.62
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	1	1.62
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	10	1.62
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	10	1.62
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	6	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	1	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	2	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	3	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	4	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	5	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	7	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	8	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	9	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	10	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	11	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	12	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	13	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	14	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	16	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	17	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	18	1.62
(2,2480)	1:48:A:ILE:HB	1:48:A:ILE:HA	20	1.62
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	4	1.62
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	4	1.62
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	4	1.62
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	20	1.62
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	6	1.62
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	6	1.62
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	6	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	7	1.62
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	7	1.62
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	7	1.62
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	14	1.62
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	14	1.62
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	14	1.62
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	10	1.62
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	20	1.62
(2,2342)	1:30:A:LEU:HD21	1:30:A:LEU:HA	10	1.62
(2,2342)	1:30:A:LEU:HD22	1:30:A:LEU:HA	10	1.62
(2,2342)	1:30:A:LEU:HD23	1:30:A:LEU:HA	10	1.62
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	17	1.62
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	17	1.62
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	17	1.62
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	19	1.62
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	7	1.62
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	12	1.62
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	18	1.62
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	19	1.62
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	19	1.62
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	15	1.62
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	15	1.62
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	15	1.62
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	12	1.62
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	12	1.62
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	12	1.62
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	20	1.62
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	20	1.62
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	20	1.62
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	11	1.62
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	2	1.62
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	2	1.62
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	2	1.62
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	2	1.62
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	2	1.62
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	2	1.62
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	2	1.62
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	2	1.62
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	2	1.62
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	15	1.62
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	15	1.62
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	15	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	15	1.62
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	15	1.62
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	15	1.62
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	15	1.62
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	15	1.62
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	15	1.62
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	5	1.62
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	5	1.62
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	5	1.62
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	6	1.62
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	6	1.62
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	6	1.62
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	17	1.62
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	17	1.62
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	17	1.62
(2,2152)	1:47:A:VAL:HG11	1:48:A:ILE:H	1	1.62
(2,2152)	1:47:A:VAL:HG12	1:48:A:ILE:H	1	1.62
(2,2152)	1:47:A:VAL:HG13	1:48:A:ILE:H	1	1.62
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	10	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	1	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	2	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	3	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	4	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	6	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	7	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	8	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	10	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	12	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	13	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	14	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	15	1.62
(2,2086)	1:97:A:GLU:HB2	1:97:A:GLU:HA	20	1.62
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	1	1.62
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	3	1.62
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	5	1.62
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	7	1.62
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	8	1.62
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	2	1.62
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	8	1.62
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	14	1.62
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	4	1.62
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	4	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	4	1.62
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	5	1.62
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	5	1.62
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	5	1.62
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	18	1.62
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	3	1.62
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	10	1.62
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	17	1.62
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	17	1.62
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	17	1.62
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	4	1.62
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	19	1.62
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	3	1.62
(2,1634)	1:46:A:ILE:HD11	1:7:A:TYR:HB2	4	1.62
(2,1634)	1:46:A:ILE:HD12	1:7:A:TYR:HB2	4	1.62
(2,1634)	1:46:A:ILE:HD13	1:7:A:TYR:HB2	4	1.62
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	14	1.62
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	11	1.62
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	16	1.62
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	4	1.62
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	5	1.62
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	3	1.62
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	9	1.62
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	2	1.62
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	7	1.62
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	14	1.62
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	14	1.62
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	14	1.62
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	1	1.62
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	5	1.62
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	6	1.62
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	7	1.62
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	10	1.62
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	11	1.62
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	13	1.62
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	14	1.62
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	15	1.62
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	16	1.62
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	19	1.62
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	20	1.62
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	13	1.62
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	13	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	13	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	1	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	1	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	1	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	2	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	2	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	2	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	3	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	3	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	3	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	4	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	4	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	4	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	5	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	5	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	5	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	6	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	6	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	6	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	7	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	7	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	7	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	8	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	8	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	8	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	9	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	9	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	9	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	12	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	12	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	12	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	13	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	13	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	13	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	14	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	14	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	14	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	15	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	15	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	15	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	16	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	16	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	16	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	17	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	17	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	17	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	18	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	18	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	18	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	19	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	19	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	19	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	20	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	20	1.62
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	20	1.62
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	4	1.62
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	4	1.62
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	4	1.62
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	7	1.62
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	7	1.62
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	7	1.62
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	8	1.62
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	8	1.62
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	8	1.62
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	12	1.62
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	12	1.62
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	12	1.62
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	17	1.62
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	17	1.62
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	17	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	1	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	2	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	3	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	4	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	5	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	6	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	7	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	8	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	9	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	10	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	11	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	12	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	13	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	14	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	15	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	16	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	17	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	18	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	19	1.62
(2,1322)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	20	1.62
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	1	1.62
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	8	1.62
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	15	1.62
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	1	1.62
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	1	1.62
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	1	1.62
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	13	1.62
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	13	1.62
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	13	1.62
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	13	1.62
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	14	1.62
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	14	1.62
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	14	1.62
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	14	1.62
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	14	1.62
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	14	1.62
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	14	1.62
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	14	1.62
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	14	1.62
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	15	1.62
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	15	1.62
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	15	1.62
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	15	1.62
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	15	1.62
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	15	1.62
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	15	1.62
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	15	1.62
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	15	1.62
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	16	1.62
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	16	1.62
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	16	1.62
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	16	1.62
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	16	1.62
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	16	1.62
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	16	1.62
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	16	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	16	1.62
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	15	1.62
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	17	1.62
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	3	1.62
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	7	1.62
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	11	1.62
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	19	1.62
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	14	1.62
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	10	1.62
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	10	1.62
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	10	1.62
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	17	1.62
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	17	1.62
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	17	1.62
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	11	1.62
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	9	1.62
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	6	1.62
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	18	1.62
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	18	1.62
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	18	1.62
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	10	1.62
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	19	1.62
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	6	1.62
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	10	1.62
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	3	1.62
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	13	1.62
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	13	1.62
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	15	1.62
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	15	1.62
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	1	1.62
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	1	1.62
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	1	1.62
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	3	1.62
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	3	1.62
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	3	1.62
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	11	1.62
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	11	1.62
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	11	1.62
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	19	1.62
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	19	1.62
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	19	1.62
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	7	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	7	1.62
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	7	1.62
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	16	1.62
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	16	1.62
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	16	1.62
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	11	1.62
(2,689)	1:19:A:ALA:HB1	1:26:A:THR:HA	11	1.62
(2,689)	1:19:A:ALA:HB2	1:26:A:THR:HA	11	1.62
(2,689)	1:19:A:ALA:HB3	1:26:A:THR:HA	11	1.62
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	11	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	3	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	3	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	3	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	6	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	6	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	6	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	7	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	7	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	7	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	8	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	8	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	8	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	10	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	10	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	10	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	17	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	17	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	17	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	19	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	19	1.62
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	19	1.62
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	18	1.62
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	18	1.62
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	18	1.62
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	4	1.62
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	9	1.62
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	16	1.62
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	20	1.62
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	5	1.62
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	7	1.62
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	12	1.62
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	5	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	5	1.62
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	5	1.62
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	11	1.62
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	11	1.62
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	11	1.62
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	16	1.62
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	16	1.62
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	16	1.62
(2,584)	1:118:A:LEU:HD21	1:118:A:LEU:HG	20	1.62
(2,584)	1:118:A:LEU:HD22	1:118:A:LEU:HG	20	1.62
(2,584)	1:118:A:LEU:HD23	1:118:A:LEU:HG	20	1.62
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	4	1.62
(2,543)	1:22:A:PHE:HA	1:22:A:PHE:HB3	6	1.62
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	11	1.62
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	6	1.62
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	6	1.62
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	6	1.62
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	8	1.62
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	8	1.62
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	8	1.62
(2,535)	1:19:A:ALA:HB1	1:19:A:ALA:HA	11	1.62
(2,535)	1:19:A:ALA:HB2	1:19:A:ALA:HA	11	1.62
(2,535)	1:19:A:ALA:HB3	1:19:A:ALA:HA	11	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	1	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	1	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	1	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	2	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	2	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	2	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	4	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	4	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	4	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	5	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	5	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	5	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	6	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	6	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	6	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	7	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	7	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	7	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	8	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	8	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	8	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	10	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	10	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	10	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	11	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	11	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	11	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	12	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	12	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	12	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	13	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	13	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	13	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	14	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	14	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	14	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	17	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	17	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	17	1.62
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	18	1.62
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	18	1.62
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	18	1.62
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	5	1.62
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	9	1.62
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	16	1.62
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	14	1.62
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	14	1.62
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	14	1.62
(2,419)	1:134:A:ILE:HD11	1:135:A:GLY:H	20	1.62
(2,419)	1:134:A:ILE:HD12	1:135:A:GLY:H	20	1.62
(2,419)	1:134:A:ILE:HD13	1:135:A:GLY:H	20	1.62
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	2	1.62
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	9	1.62
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	2	1.62
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	4	1.62
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	5	1.62
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	7	1.62
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	8	1.62
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	9	1.62
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	11	1.62
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	13	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	17	1.62
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	19	1.62
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	11	1.62
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	18	1.62
(2,260)	1:165:A:ILE:HG21	1:165:A:ILE:H	5	1.62
(2,260)	1:165:A:ILE:HG22	1:165:A:ILE:H	5	1.62
(2,260)	1:165:A:ILE:HG23	1:165:A:ILE:H	5	1.62
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	15	1.62
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	15	1.62
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	15	1.62
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	20	1.62
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	3	1.62
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	5	1.62
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	4	1.62
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	4	1.62
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	4	1.62
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	9	1.62
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	9	1.62
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	9	1.62
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	10	1.62
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	10	1.62
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	10	1.62
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	18	1.62
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	18	1.62
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	18	1.62
(2,118)	1:107:A:PRO:HD2	1:108:A:GLY:H	11	1.62
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	6	1.62
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	20	1.62
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	14	1.62
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	18	1.62
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	20	1.62
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	6	1.62
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	6	1.62
(2,47)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	6	1.62
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	7	1.62
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	13	1.62
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	13	1.62
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	13	1.62
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	13	1.62
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	13	1.62
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	13	1.62
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	13	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	13	1.62
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	13	1.62
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	20	1.62
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	20	1.62
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	20	1.62
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	20	1.62
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	20	1.62
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	20	1.62
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	20	1.62
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	20	1.62
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	20	1.62
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	9	1.61
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	13	1.61
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	13	1.61
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	3	1.61
(4,396)	1:9:A:VAL:HG21	1:9:A:VAL:H	8	1.61
(4,396)	1:9:A:VAL:HG22	1:9:A:VAL:H	8	1.61
(4,396)	1:9:A:VAL:HG23	1:9:A:VAL:H	8	1.61
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	2	1.61
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	13	1.61
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	9	1.61
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	12	1.61
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	7	1.61
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	13	1.61
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	18	1.61
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	20	1.61
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	4	1.61
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	7	1.61
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	18	1.61
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	4	1.61
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	4	1.61
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	4	1.61
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	20	1.61
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	20	1.61
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	20	1.61
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	1	1.61
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	6	1.61
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	15	1.61
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	12	1.61
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	8	1.61
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	16	1.61
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	18	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	1	1.61
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	2	1.61
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	5	1.61
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	15	1.61
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	2	1.61
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	5	1.61
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	14	1.61
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	1	1.61
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	1	1.61
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	1	1.61
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	11	1.61
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	11	1.61
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	11	1.61
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	11	1.61
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	11	1.61
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	11	1.61
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	12	1.61
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	12	1.61
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	12	1.61
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	17	1.61
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	17	1.61
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	17	1.61
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	10	1.61
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	18	1.61
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	7	1.61
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	9	1.61
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	4	1.61
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	6	1.61
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	7	1.61
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	9	1.61
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	12	1.61
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	18	1.61
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	9	1.61
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	1	1.61
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	2	1.61
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	3	1.61
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	5	1.61
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	9	1.61
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	11	1.61
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	15	1.61
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	13	1.61
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	13	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	13	1.61
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	14	1.61
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	15	1.61
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	17	1.61
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	1	1.61
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	1	1.61
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	1	1.61
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	2	1.61
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	2	1.61
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	2	1.61
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	4	1.61
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	4	1.61
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	4	1.61
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	10	1.61
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	10	1.61
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	10	1.61
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	15	1.61
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	15	1.61
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	15	1.61
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	9	1.61
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	9	1.61
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	9	1.61
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	10	1.61
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	10	1.61
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	10	1.61
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	13	1.61
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	13	1.61
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	13	1.61
(2,2337)	1:57:A:ILE:HD11	1:57:A:ILE:HB	19	1.61
(2,2337)	1:57:A:ILE:HD12	1:57:A:ILE:HB	19	1.61
(2,2337)	1:57:A:ILE:HD13	1:57:A:ILE:HB	19	1.61
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	10	1.61
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	12	1.61
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	14	1.61
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	17	1.61
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	18	1.61
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	7	1.61
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	1	1.61
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	8	1.61
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	15	1.61
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	4	1.61
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	6	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	1	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	1	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	1	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	2	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	2	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	2	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	3	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	3	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	3	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	4	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	4	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	4	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	5	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	5	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	5	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	6	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	6	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	6	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	9	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	9	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	9	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	10	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	10	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	10	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	13	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	13	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	13	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	14	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	14	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	14	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	16	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	16	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	16	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	17	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	17	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	17	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	18	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	18	1.61
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	18	1.61
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	20	1.61
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	9	1.61
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	9	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	9	1.61
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	11	1.61
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	11	1.61
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	11	1.61
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	14	1.61
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	14	1.61
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	14	1.61
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG21	16	1.61
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG22	16	1.61
(2,2232)	1:151:A:ILE:HA	1:151:A:ILE:HG23	16	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	2	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	3	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	4	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	5	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	7	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	8	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	9	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	10	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	11	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	12	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	13	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	14	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	15	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	16	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	17	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	18	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	19	1.61
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	20	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	1	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	2	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	3	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	4	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	5	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	6	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	7	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	8	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	9	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	10	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	12	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	13	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	14	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	15	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	16	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	17	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	18	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	19	1.61
(2,2181)	1:61:A:ILE:HA	1:61:A:ILE:HB	20	1.61
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	4	1.61
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	4	1.61
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	4	1.61
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	4	1.61
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	4	1.61
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	4	1.61
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	4	1.61
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	4	1.61
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	4	1.61
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	8	1.61
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	20	1.61
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	20	1.61
(2,2159)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	20	1.61
(2,2072)	1:150:A:VAL:HB	1:150:A:VAL:H	15	1.61
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	2	1.61
(2,2045)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	15	1.61
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	9	1.61
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	10	1.61
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	11	1.61
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	3	1.61
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	3	1.61
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	3	1.61
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	19	1.61
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	19	1.61
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	19	1.61
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	4	1.61
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	12	1.61
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	16	1.61
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	17	1.61
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	18	1.61
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	20	1.61
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	17	1.61
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	7	1.61
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	14	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	1	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	1	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	1	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	2	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	2	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	2	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	3	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	3	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	3	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	4	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	4	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	4	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	5	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	5	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	5	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	6	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	6	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	6	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	7	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	7	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	7	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	8	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	8	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	8	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	9	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	9	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	9	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	10	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	10	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	10	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	11	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	11	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	11	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	12	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	12	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	12	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	13	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	13	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	13	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	14	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	14	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	14	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	15	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	15	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	15	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	16	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	16	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	16	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	17	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	17	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	17	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	18	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	18	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	18	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	19	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	19	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	19	1.61
(2,1823)	1:78:A:VAL:HG21	1:78:A:VAL:HB	20	1.61
(2,1823)	1:78:A:VAL:HG22	1:78:A:VAL:HB	20	1.61
(2,1823)	1:78:A:VAL:HG23	1:78:A:VAL:HB	20	1.61
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	7	1.61
(2,1804)	1:68:A:LYS:HG2	1:68:A:LYS:HB3	14	1.61
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	1	1.61
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	1	1.61
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	1	1.61
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	3	1.61
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	3	1.61
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	3	1.61
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	14	1.61
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	14	1.61
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	14	1.61
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	16	1.61
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	20	1.61
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	2	1.61
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	9	1.61
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	1	1.61
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	10	1.61
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	13	1.61
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	19	1.61
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	16	1.61
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	5	1.61
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	14	1.61
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	16	1.61
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	3	1.61
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	3	1.61
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	3	1.61
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	15	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	15	1.61
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	15	1.61
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	6	1.61
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	6	1.61
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	6	1.61
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	7	1.61
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	7	1.61
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	7	1.61
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	2	1.61
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	4	1.61
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	8	1.61
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	9	1.61
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	17	1.61
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	18	1.61
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	5	1.61
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	5	1.61
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	5	1.61
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG21	11	1.61
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG22	11	1.61
(2,1329)	1:56:A:THR:HB	1:56:A:THR:HG23	11	1.61
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	13	1.61
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	16	1.61
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	3	1.61
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	3	1.61
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	3	1.61
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	9	1.61
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	9	1.61
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	9	1.61
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	14	1.61
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	16	1.61
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	19	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	1	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	1	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	1	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	1	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	1	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	1	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	1	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	1	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	1	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	2	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	2	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	2	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	2	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	2	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	2	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	2	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	2	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	2	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	3	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	3	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	3	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	3	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	3	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	3	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	3	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	3	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	3	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	4	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	4	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	4	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	4	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	4	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	4	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	4	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	4	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	4	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	5	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	5	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	5	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	5	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	5	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	5	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	5	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	5	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	5	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	6	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	6	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	6	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	6	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	6	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	6	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	6	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	6	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	6	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	7	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	7	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	7	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	7	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	7	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	7	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	7	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	7	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	7	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	8	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	8	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	8	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	8	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	8	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	8	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	8	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	8	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	8	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	9	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	9	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	9	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	9	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	9	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	9	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	9	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	9	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	9	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	10	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	10	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	10	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	10	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	10	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	10	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	10	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	10	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	10	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	11	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	11	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	11	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	11	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	11	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	11	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	11	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	11	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	11	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	12	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	12	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	12	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	12	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	12	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	12	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	12	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	12	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	12	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	13	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	13	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	13	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	13	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	13	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	13	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	13	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	13	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	13	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	17	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	17	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	17	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	17	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	17	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	17	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	17	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	17	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	17	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	18	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	18	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	18	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	18	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	18	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	18	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	18	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	18	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	18	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	19	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	19	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	19	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	19	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	19	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	19	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	19	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	19	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	19	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG21	20	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG22	20	1.61
(2,1279)	1:163:A:VAL:HG11	1:163:A:VAL:HG23	20	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG21	20	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG22	20	1.61
(2,1279)	1:163:A:VAL:HG12	1:163:A:VAL:HG23	20	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG21	20	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG22	20	1.61
(2,1279)	1:163:A:VAL:HG13	1:163:A:VAL:HG23	20	1.61
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	7	1.61
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	14	1.61
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	10	1.61
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	13	1.61
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	14	1.61
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	16	1.61
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	20	1.61
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	1	1.61
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	19	1.61
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	3	1.61
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	3	1.61
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	2	1.61
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	4	1.61
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	7	1.61
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	12	1.61
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	14	1.61
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	3	1.61
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	3	1.61
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	3	1.61
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	13	1.61
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	13	1.61
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	13	1.61
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	17	1.61
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	17	1.61
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	17	1.61
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	2	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	2	1.61
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	2	1.61
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	16	1.61
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	16	1.61
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	16	1.61
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	12	1.61
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	16	1.61
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	2	1.61
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	3	1.61
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	8	1.61
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	11	1.61
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	11	1.61
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	11	1.61
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	7	1.61
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	15	1.61
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	16	1.61
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	19	1.61
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	20	1.61
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	8	1.61
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	8	1.61
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	9	1.61
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	9	1.61
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	3	1.61
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	6	1.61
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	17	1.61
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	17	1.61
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	17	1.61
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	1	1.61
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	1	1.61
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	1	1.61
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	1	1.61
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	1	1.61
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	1	1.61
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	1	1.61
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	1	1.61
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	1	1.61
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	2	1.61
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	2	1.61
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	2	1.61
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	2	1.61
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	2	1.61
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	2	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	2	1.61
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	2	1.61
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	2	1.61
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	7	1.61
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	7	1.61
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	7	1.61
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	7	1.61
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	7	1.61
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	7	1.61
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	7	1.61
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	7	1.61
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	7	1.61
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	10	1.61
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	10	1.61
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	10	1.61
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	10	1.61
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	10	1.61
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	10	1.61
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	10	1.61
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	10	1.61
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	10	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	3	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	3	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	3	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	4	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	4	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	4	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	12	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	12	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	12	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	15	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	15	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	15	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	18	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	18	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	18	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	19	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	19	1.61
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	19	1.61
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	1	1.61
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	3	1.61
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	4	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	7	1.61
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	8	1.61
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	9	1.61
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	13	1.61
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	15	1.61
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	16	1.61
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	18	1.61
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	2	1.61
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	9	1.61
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	9	1.61
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	9	1.61
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD11	11	1.61
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD12	11	1.61
(2,674)	1:61:A:ILE:HB	1:61:A:ILE:HD13	11	1.61
(2,664)	1:5:A:LEU:HG	1:5:A:LEU:HA	10	1.61
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	2	1.61
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	13	1.61
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	1	1.61
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	15	1.61
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	19	1.61
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	6	1.61
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	19	1.61
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	19	1.61
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	19	1.61
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	19	1.61
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	20	1.61
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	20	1.61
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	20	1.61
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	17	1.61
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	17	1.61
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	17	1.61
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	1	1.61
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	16	1.61
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	6	1.61
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	14	1.61
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	2	1.61
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	19	1.61
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	3	1.61
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	3	1.61
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	3	1.61
(2,472)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	16	1.61
(2,472)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	16	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,472)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	16	1.61
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	8	1.61
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	2	1.61
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	7	1.61
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	19	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	1	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	1	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	1	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	2	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	2	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	2	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	3	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	3	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	3	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	4	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	4	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	4	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	5	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	5	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	5	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	6	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	6	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	6	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	7	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	7	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	7	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	8	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	8	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	8	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	9	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	9	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	9	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	10	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	10	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	10	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	11	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	11	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	11	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	12	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	12	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	12	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	14	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	14	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	14	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	15	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	15	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	15	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	16	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	16	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	16	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	17	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	17	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	17	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	18	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	18	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	18	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	19	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	19	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	19	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	20	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	20	1.61
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	20	1.61
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	8	1.61
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	16	1.61
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	1	1.61
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	3	1.61
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	6	1.61
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	10	1.61
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	12	1.61
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	15	1.61
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	16	1.61
(2,354)	1:23:A:ARG:HB3	1:23:A:ARG:HG3	18	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	1	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	1	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	1	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	2	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	2	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	2	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	3	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	3	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	3	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	4	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	4	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	4	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	5	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	5	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	5	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	7	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	7	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	7	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	10	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	10	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	10	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	11	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	11	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	11	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	12	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	12	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	12	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	13	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	13	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	13	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	19	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	19	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	19	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	20	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	20	1.61
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	20	1.61
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	19	1.61
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	6	1.61
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	10	1.61
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	18	1.61
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	19	1.61
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	1	1.61
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	3	1.61
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	4	1.61
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	7	1.61
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	10	1.61
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	15	1.61
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	20	1.61
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	1	1.61
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	1	1.61
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	1	1.61
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	5	1.61
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	5	1.61
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	5	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	7	1.61
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	7	1.61
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	7	1.61
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	13	1.61
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	13	1.61
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	13	1.61
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	12	1.61
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	7	1.61
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	15	1.61
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	4	1.61
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	4	1.61
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	4	1.61
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	4	1.61
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	4	1.61
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	4	1.61
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	4	1.61
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	4	1.61
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	4	1.61
(4,1142)	1:103:A:ARG:HD2	1:116:A:LEU:H	20	1.6
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	8	1.6
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	10	1.6
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	16	1.6
(4,550)	1:150:A:VAL:HG11	1:151:A:ILE:H	4	1.6
(4,550)	1:150:A:VAL:HG12	1:151:A:ILE:H	4	1.6
(4,550)	1:150:A:VAL:HG13	1:151:A:ILE:H	4	1.6
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	9	1.6
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	10	1.6
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	10	1.6
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	11	1.6
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	3	1.6
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	20	1.6
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	2	1.6
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	2	1.6
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	2	1.6
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	6	1.6
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	6	1.6
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	6	1.6
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	12	1.6
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	12	1.6
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	12	1.6
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	19	1.6
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	19	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	19	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	1	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	1	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	1	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	2	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	2	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	2	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	3	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	3	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	3	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	4	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	4	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	4	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	5	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	5	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	5	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	6	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	6	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	6	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	7	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	7	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	7	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	8	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	8	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	8	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	9	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	9	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	9	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	10	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	10	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	10	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	11	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	11	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	11	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	12	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	12	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	12	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	13	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	13	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	13	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	14	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	14	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	14	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	15	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	15	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	15	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	16	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	16	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	16	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	17	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	17	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	17	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	18	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	18	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	18	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	19	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	19	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	19	1.6
(2,3090)	1:78:A:VAL:HG11	1:78:A:VAL:HB	20	1.6
(2,3090)	1:78:A:VAL:HG12	1:78:A:VAL:HB	20	1.6
(2,3090)	1:78:A:VAL:HG13	1:78:A:VAL:HB	20	1.6
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	12	1.6
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	20	1.6
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	3	1.6
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	3	1.6
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	3	1.6
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	16	1.6
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	16	1.6
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	16	1.6
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	8	1.6
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	2	1.6
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	2	1.6
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	2	1.6
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	4	1.6
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	4	1.6
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	14	1.6
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	3	1.6
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	10	1.6
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	16	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	1	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	2	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	3	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	4	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	5	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	6	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	7	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	8	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	9	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	10	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	11	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	12	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	13	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	14	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	15	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	16	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	17	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	18	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	19	1.6
(2,2907)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	20	1.6
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	10	1.6
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	13	1.6
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	16	1.6
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	17	1.6
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	2	1.6
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	2	1.6
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	2	1.6
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	3	1.6
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	3	1.6
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	3	1.6
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	6	1.6
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	6	1.6
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	6	1.6
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	9	1.6
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	9	1.6
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	9	1.6
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	12	1.6
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	12	1.6
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	12	1.6
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	13	1.6
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	13	1.6
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	13	1.6
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	17	1.6
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	17	1.6
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	17	1.6
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	18	1.6
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	18	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	18	1.6
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	12	1.6
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	12	1.6
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	12	1.6
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	2	1.6
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	2	1.6
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	2	1.6
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	3	1.6
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	3	1.6
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	3	1.6
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	4	1.6
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	4	1.6
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	4	1.6
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	14	1.6
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	14	1.6
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	14	1.6
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	15	1.6
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	15	1.6
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	15	1.6
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	16	1.6
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	16	1.6
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	16	1.6
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	19	1.6
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	19	1.6
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	19	1.6
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	3	1.6
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	5	1.6
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	4	1.6
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	3	1.6
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	8	1.6
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	14	1.6
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	20	1.6
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	8	1.6
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	12	1.6
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	16	1.6
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	19	1.6
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	20	1.6
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	19	1.6
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	4	1.6
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	11	1.6
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	8	1.6
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	13	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG21	11	1.6
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG22	11	1.6
(2,2459)	1:101:A:ILE:HA	1:101:A:ILE:HG23	11	1.6
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	6	1.6
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	8	1.6
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	8	1.6
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	8	1.6
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	9	1.6
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	9	1.6
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	9	1.6
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	12	1.6
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	12	1.6
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	12	1.6
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	16	1.6
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	16	1.6
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	16	1.6
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	18	1.6
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	18	1.6
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	18	1.6
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	1	1.6
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	1	1.6
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	11	1.6
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	20	1.6
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	6	1.6
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	18	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	7	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	7	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	7	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	8	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	8	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	8	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	11	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	11	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	11	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	12	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	12	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	12	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	19	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	19	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	19	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG21	20	1.6
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG22	20	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2236)	1:24:A:ILE:HA	1:24:A:ILE:HG23	20	1.6
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	13	1.6
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	1	1.6
(2,2191)	1:49:A:PRO:HG3	1:49:A:PRO:HD3	6	1.6
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	7	1.6
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	7	1.6
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	7	1.6
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	12	1.6
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	17	1.6
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	5	1.6
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	6	1.6
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	20	1.6
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	10	1.6
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	10	1.6
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	10	1.6
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	20	1.6
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	20	1.6
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	20	1.6
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	2	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	1	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	2	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	3	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	5	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	6	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	7	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	8	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	9	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	10	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	11	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	13	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	14	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	15	1.6
(2,1983)	1:83:A:PRO:HG2	1:83:A:PRO:HD2	19	1.6
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	14	1.6
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	14	1.6
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	14	1.6
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	11	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	1	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	1	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	1	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	2	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	2	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	2	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	3	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	3	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	3	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	4	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	4	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	4	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	5	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	5	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	5	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	6	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	6	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	6	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	7	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	7	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	7	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	8	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	8	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	8	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	9	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	9	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	9	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	10	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	10	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	10	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	11	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	11	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	11	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	12	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	12	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	12	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	13	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	13	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	13	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	14	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	14	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	14	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	15	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	15	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	15	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	16	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	16	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	16	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	17	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	17	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	17	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	18	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	18	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	18	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	19	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	19	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	19	1.6
(2,1868)	1:137:A:ALA:HB1	1:137:A:ALA:HA	20	1.6
(2,1868)	1:137:A:ALA:HB2	1:137:A:ALA:HA	20	1.6
(2,1868)	1:137:A:ALA:HB3	1:137:A:ALA:HA	20	1.6
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	13	1.6
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	4	1.6
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	15	1.6
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	15	1.6
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	15	1.6
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	2	1.6
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	3	1.6
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	5	1.6
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	6	1.6
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	7	1.6
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	10	1.6
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	11	1.6
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	12	1.6
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	15	1.6
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	17	1.6
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	3	1.6
(2,1654)	1:97:A:GLU:H	1:97:A:GLU:HG3	5	1.6
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	8	1.6
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	16	1.6
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	18	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	1	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	2	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	3	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	6	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	7	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	8	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	9	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	11	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	12	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	14	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	15	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	16	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	17	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	18	1.6
(2,1565)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	20	1.6
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	7	1.6
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	8	1.6
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	8	1.6
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	8	1.6
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	9	1.6
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	9	1.6
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	9	1.6
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	17	1.6
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	17	1.6
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	17	1.6
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	12	1.6
(2,1381)	1:79:A:MET:H	1:78:A:VAL:HA	20	1.6
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	16	1.6
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	16	1.6
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	16	1.6
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	5	1.6
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	5	1.6
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	5	1.6
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	5	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	2	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	3	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	4	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	5	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	7	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	9	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	11	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	12	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	15	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	17	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	18	1.6
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	20	1.6
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	2	1.6
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	1	1.6
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	3	1.6
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	8	1.6
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	11	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	18	1.6
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	8	1.6
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	10	1.6
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	4	1.6
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	8	1.6
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	13	1.6
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	7	1.6
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	16	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	1	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	3	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	5	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	6	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	8	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	9	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	10	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	11	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	13	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	15	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	16	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	17	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	18	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	19	1.6
(2,1070)	1:163:A:VAL:HB	1:163:A:VAL:HA	20	1.6
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	1	1.6
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	1	1.6
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	1	1.6
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	2	1.6
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	2	1.6
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	2	1.6
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	4	1.6
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	4	1.6
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	4	1.6
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	2	1.6
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	10	1.6
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	10	1.6
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	17	1.6
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	10	1.6
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	9	1.6
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	6	1.6
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	6	1.6
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	16	1.6
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	16	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	4	1.6
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	17	1.6
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	9	1.6
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	9	1.6
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	9	1.6
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	6	1.6
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	6	1.6
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	6	1.6
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	6	1.6
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	6	1.6
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	6	1.6
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	6	1.6
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	6	1.6
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	6	1.6
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	8	1.6
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	8	1.6
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	8	1.6
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	8	1.6
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	8	1.6
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	8	1.6
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	8	1.6
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	8	1.6
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	8	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	2	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	2	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	2	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	5	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	5	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	5	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	6	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	6	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	6	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	9	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	9	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	9	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	10	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	10	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	10	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	13	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	13	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	13	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	14	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	14	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	14	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	17	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	17	1.6
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	17	1.6
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	8	1.6
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	8	1.6
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	8	1.6
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	6	1.6
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	6	1.6
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	6	1.6
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	15	1.6
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	15	1.6
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	15	1.6
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	14	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	1	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	3	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	4	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	5	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	6	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	7	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	10	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	11	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	12	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	14	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	16	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	17	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	18	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	19	1.6
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	20	1.6
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	2	1.6
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	5	1.6
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	6	1.6
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	10	1.6
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	12	1.6
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	14	1.6
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	17	1.6
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	19	1.6
(2,686)	1:70:A:LEU:HB3	1:70:A:LEU:HG	20	1.6
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	7	1.6
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	7	1.6
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	7	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	15	1.6
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	15	1.6
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	15	1.6
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	3	1.6
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	8	1.6
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	10	1.6
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	11	1.6
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	17	1.6
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	19	1.6
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	20	1.6
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	1	1.6
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	1	1.6
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	1	1.6
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	2	1.6
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	2	1.6
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	2	1.6
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	6	1.6
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	6	1.6
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	6	1.6
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	17	1.6
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	17	1.6
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	17	1.6
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	18	1.6
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	18	1.6
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	18	1.6
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	3	1.6
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	3	1.6
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	3	1.6
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	7	1.6
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	7	1.6
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	7	1.6
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	7	1.6
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	9	1.6
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	3	1.6
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	12	1.6
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	14	1.6
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	2	1.6
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	10	1.6
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	11	1.6
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	13	1.6
(2,450)	1:64:A:SER:HB2	1:64:A:SER:H	7	1.6
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	4	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	9	1.6
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	12	1.6
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB1	13	1.6
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB2	13	1.6
(2,391)	1:42:A:ALA:HA	1:42:A:ALA:HB3	13	1.6
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	8	1.6
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	9	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	1	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	2	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	3	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	4	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	5	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	6	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	7	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	8	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	9	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	10	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	11	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	12	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	13	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	14	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	15	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	16	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	17	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	18	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	19	1.6
(2,266)	1:54:A:PRO:HD2	1:54:A:PRO:HD3	20	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	6	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	6	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	6	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	8	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	8	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	8	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	9	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	9	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	9	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	14	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	14	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	14	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	15	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	15	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	15	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	16	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	16	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	16	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	17	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	17	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	17	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD11	18	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD12	18	1.6
(2,243)	1:48:A:ILE:HB	1:48:A:ILE:HD13	18	1.6
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	4	1.6
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	11	1.6
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	2	1.6
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	5	1.6
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	9	1.6
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	12	1.6
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	8	1.6
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	8	1.6
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	8	1.6
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	12	1.6
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	12	1.6
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	12	1.6
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	15	1.6
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	15	1.6
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	15	1.6
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	19	1.6
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	19	1.6
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	19	1.6
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	14	1.6
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	1	1.6
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	1	1.6
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	1	1.6
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	4	1.6
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	4	1.6
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	4	1.6
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	7	1.6
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	7	1.6
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	7	1.6
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	12	1.6
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	12	1.6
(1,33)	1:91:A:THR:HG21	1:86:A:VAL:HB	2	1.6
(1,33)	1:91:A:THR:HG22	1:86:A:VAL:HB	2	1.6
(1,33)	1:91:A:THR:HG23	1:86:A:VAL:HB	2	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	11	1.59
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	6	1.59
(4,966)	1:2:A:ARG:HG3	1:2:A:ARG:H	12	1.59
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	1	1.59
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	4	1.59
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	5	1.59
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	7	1.59
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	15	1.59
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	17	1.59
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	19	1.59
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	6	1.59
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	5	1.59
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	20	1.59
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	2	1.59
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	6	1.59
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	15	1.59
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	19	1.59
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	14	1.59
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	10	1.59
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	10	1.59
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	10	1.59
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	18	1.59
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	18	1.59
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	18	1.59
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	1	1.59
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	6	1.59
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	6	1.59
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	6	1.59
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	7	1.59
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	7	1.59
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	7	1.59
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	8	1.59
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	8	1.59
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	8	1.59
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	12	1.59
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	12	1.59
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	12	1.59
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	14	1.59
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	14	1.59
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	14	1.59
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	7	1.59
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	17	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	18	1.59
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	20	1.59
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	18	1.59
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	18	1.59
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	18	1.59
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	20	1.59
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	20	1.59
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	20	1.59
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	17	1.59
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	6	1.59
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	9	1.59
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	15	1.59
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	17	1.59
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	4	1.59
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	15	1.59
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	18	1.59
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	4	1.59
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	4	1.59
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	4	1.59
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	7	1.59
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	7	1.59
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	7	1.59
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	10	1.59
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	10	1.59
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	10	1.59
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	14	1.59
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	14	1.59
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	14	1.59
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	16	1.59
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	16	1.59
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	16	1.59
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	19	1.59
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	19	1.59
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	19	1.59
(2,2858)	1:32:A:ALA:HB1	1:32:A:ALA:H	20	1.59
(2,2858)	1:32:A:ALA:HB2	1:32:A:ALA:H	20	1.59
(2,2858)	1:32:A:ALA:HB3	1:32:A:ALA:H	20	1.59
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	1	1.59
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	1	1.59
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	1	1.59
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	5	1.59
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	5	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	5	1.59
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	7	1.59
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	7	1.59
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	7	1.59
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	8	1.59
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	8	1.59
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	8	1.59
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	9	1.59
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	9	1.59
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	9	1.59
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	10	1.59
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	10	1.59
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	10	1.59
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	13	1.59
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	13	1.59
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	13	1.59
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	18	1.59
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	18	1.59
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	18	1.59
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	4	1.59
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	10	1.59
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	11	1.59
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	12	1.59
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	13	1.59
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	15	1.59
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	17	1.59
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	19	1.59
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	20	1.59
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	3	1.59
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	6	1.59
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	1	1.59
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	20	1.59
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	4	1.59
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	6	1.59
(2,2639)	1:107:A:PRO:HD2	1:107:A:PRO:HG2	17	1.59
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	13	1.59
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	15	1.59
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	6	1.59
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	5	1.59
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	6	1.59
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	6	1.59
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	6	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	10	1.59
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	10	1.59
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	10	1.59
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	14	1.59
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	14	1.59
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	14	1.59
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	15	1.59
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	15	1.59
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	15	1.59
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	16	1.59
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	16	1.59
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	16	1.59
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	18	1.59
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	18	1.59
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	18	1.59
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	19	1.59
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	19	1.59
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	19	1.59
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	20	1.59
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	20	1.59
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	20	1.59
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	3	1.59
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	5	1.59
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	13	1.59
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	18	1.59
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	2	1.59
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	2	1.59
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	2	1.59
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	5	1.59
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	5	1.59
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	5	1.59
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	6	1.59
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	6	1.59
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	6	1.59
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	10	1.59
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	10	1.59
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	10	1.59
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	18	1.59
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	18	1.59
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	18	1.59
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	4	1.59
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	11	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	16	1.59
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	19	1.59
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	3	1.59
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	14	1.59
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	20	1.59
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	11	1.59
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	19	1.59
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	19	1.59
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	19	1.59
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	20	1.59
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	20	1.59
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	20	1.59
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	14	1.59
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	2	1.59
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	4	1.59
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	7	1.59
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	13	1.59
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	15	1.59
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	6	1.59
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	3	1.59
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	16	1.59
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	3	1.59
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	3	1.59
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	3	1.59
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	3	1.59
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	3	1.59
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	3	1.59
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	3	1.59
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	3	1.59
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	3	1.59
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	19	1.59
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	19	1.59
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	19	1.59
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	19	1.59
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	19	1.59
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	19	1.59
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	19	1.59
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	19	1.59
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	19	1.59
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	5	1.59
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	5	1.59
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	5	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	10	1.59
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	10	1.59
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	10	1.59
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	13	1.59
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	13	1.59
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	13	1.59
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	14	1.59
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	14	1.59
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	14	1.59
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	15	1.59
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	15	1.59
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	15	1.59
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	19	1.59
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	19	1.59
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	19	1.59
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	14	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	1	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	1	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	1	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	2	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	2	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	2	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	3	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	3	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	3	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	5	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	5	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	5	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	7	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	7	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	7	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	8	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	8	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	8	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	11	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	11	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	11	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	12	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	12	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	12	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	13	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	13	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	13	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	14	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	14	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	14	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	16	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	16	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	16	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	17	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	17	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	17	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	19	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	19	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	19	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	20	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	20	1.59
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	20	1.59
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	4	1.59
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	1	1.59
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	2	1.59
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	13	1.59
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	13	1.59
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	13	1.59
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	14	1.59
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	14	1.59
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	14	1.59
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	18	1.59
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	18	1.59
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	18	1.59
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	9	1.59
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	9	1.59
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	9	1.59
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	13	1.59
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	5	1.59
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	20	1.59
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	5	1.59
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	7	1.59
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	4	1.59
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	4	1.59
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	4	1.59
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	5	1.59
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	5	1.59
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	5	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	8	1.59
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	8	1.59
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	8	1.59
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	20	1.59
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	20	1.59
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	20	1.59
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	1	1.59
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	8	1.59
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	9	1.59
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	13	1.59
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	14	1.59
(2,1772)	1:115:A:TRP:HB3	1:115:A:TRP:HA	18	1.59
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	11	1.59
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	11	1.59
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	11	1.59
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	19	1.59
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	13	1.59
(2,1574)	1:135:A:GLY:HA3	1:136:A:LYS:H	12	1.59
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	1	1.59
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	1	1.59
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	1	1.59
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	8	1.59
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	19	1.59
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	20	1.59
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	15	1.59
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	1	1.59
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	1	1.59
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	1	1.59
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	17	1.59
(2,1443)	1:134:A:ILE:HD11	1:134:A:ILE:H	12	1.59
(2,1443)	1:134:A:ILE:HD12	1:134:A:ILE:H	12	1.59
(2,1443)	1:134:A:ILE:HD13	1:134:A:ILE:H	12	1.59
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	19	1.59
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	19	1.59
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	19	1.59
(2,1324)	1:70:A:LEU:HD11	1:70:A:LEU:H	20	1.59
(2,1324)	1:70:A:LEU:HD12	1:70:A:LEU:H	20	1.59
(2,1324)	1:70:A:LEU:HD13	1:70:A:LEU:H	20	1.59
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	1	1.59
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	6	1.59
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	8	1.59
(2,1283)	1:74:A:LEU:HA	1:75:A:ASN:H	10	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	1	1.59
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	10	1.59
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	13	1.59
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	4	1.59
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	5	1.59
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	7	1.59
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	9	1.59
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	13	1.59
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	14	1.59
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	10	1.59
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	16	1.59
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	1	1.59
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	2	1.59
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	9	1.59
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	10	1.59
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	17	1.59
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	19	1.59
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	8	1.59
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	19	1.59
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	19	1.59
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	19	1.59
(2,1031)	1:152:A:GLU:HB3	1:153:A:LEU:H	13	1.59
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	16	1.59
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	8	1.59
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	11	1.59
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	16	1.59
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	7	1.59
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	14	1.59
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	14	1.59
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	14	1.59
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	7	1.59
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	11	1.59
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	13	1.59
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	16	1.59
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	1	1.59
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	1	1.59
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	1	1.59
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	12	1.59
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	7	1.59
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	7	1.59
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	7	1.59
(2,838)	1:26:A:THR:HG21	1:26:A:THR:HA	12	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,838)	1:26:A:THR:HG22	1:26:A:THR:HA	12	1.59
(2,838)	1:26:A:THR:HG23	1:26:A:THR:HA	12	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	1	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	1	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	1	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	7	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	7	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	7	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	8	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	8	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	8	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	11	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	11	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	11	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	20	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	20	1.59
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	20	1.59
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	3	1.59
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	3	1.59
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	3	1.59
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	6	1.59
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	9	1.59
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	10	1.59
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	15	1.59
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	18	1.59
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	20	1.59
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	2	1.59
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	19	1.59
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	2	1.59
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	8	1.59
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	9	1.59
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	13	1.59
(2,708)	1:54:A:PRO:HB2	1:54:A:PRO:HB3	15	1.59
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	1	1.59
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	5	1.59
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	12	1.59
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	1	1.59
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	5	1.59
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	6	1.59
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	7	1.59
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	14	1.59
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	15	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	18	1.59
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	1	1.59
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	3	1.59
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	5	1.59
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	6	1.59
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	7	1.59
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	8	1.59
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	10	1.59
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	15	1.59
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	18	1.59
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	19	1.59
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	20	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	4	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	4	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	4	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	5	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	5	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	5	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	6	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	6	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	6	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	7	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	7	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	7	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	8	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	8	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	8	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	9	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	9	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	9	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	10	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	10	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	10	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	11	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	11	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	11	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	12	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	12	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	12	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	13	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	13	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	13	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	14	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	14	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	14	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	15	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	15	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	15	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	16	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	16	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	16	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	17	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	17	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	17	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	18	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	18	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	18	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	19	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	19	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	19	1.59
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	20	1.59
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	20	1.59
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	20	1.59
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	8	1.59
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	8	1.59
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	8	1.59
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	11	1.59
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	11	1.59
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	11	1.59
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	11	1.59
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	4	1.59
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	5	1.59
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	19	1.59
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	11	1.59
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	17	1.59
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	2	1.59
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	19	1.59
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	2	1.59
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	11	1.59
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	12	1.59
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	15	1.59
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	2	1.59
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	2	1.59
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	2	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	14	1.59
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	14	1.59
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	14	1.59
(2,248)	1:103:A:ARG:HB3	1:103:A:ARG:HA	6	1.59
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	1	1.59
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	2	1.59
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	9	1.59
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	12	1.59
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	6	1.59
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	8	1.59
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	11	1.59
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	13	1.59
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	16	1.59
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	17	1.59
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	18	1.59
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	15	1.59
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	3	1.59
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	3	1.59
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	3	1.59
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	11	1.59
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	11	1.59
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	11	1.59
(2,119)	1:101:A:ILE:HD11	1:101:A:ILE:HB	20	1.59
(2,119)	1:101:A:ILE:HD12	1:101:A:ILE:HB	20	1.59
(2,119)	1:101:A:ILE:HD13	1:101:A:ILE:HB	20	1.59
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	15	1.59
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	5	1.59
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	5	1.59
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	5	1.59
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD1	5	1.59
(2,21)	1:55:A:TYR:HA	1:55:A:TYR:HD2	5	1.59
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	19	1.59
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	19	1.59
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	19	1.59
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	19	1.59
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	19	1.59
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	19	1.59
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	19	1.59
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	19	1.59
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	19	1.59
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	9	1.58
(4,1181)	1:140:A:LYS:H	1:141:A:GLY:H	18	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	2	1.58
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	3	1.58
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	9	1.58
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	20	1.58
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	3	1.58
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	18	1.58
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	1	1.58
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	2	1.58
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	10	1.58
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	13	1.58
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	16	1.58
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	12	1.58
(2,3045)	1:53:A:ASP:HB2	1:53:A:ASP:HA	2	1.58
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	1	1.58
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	1	1.58
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	1	1.58
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	15	1.58
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	15	1.58
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	15	1.58
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	18	1.58
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	18	1.58
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	18	1.58
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	17	1.58
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	3	1.58
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	3	1.58
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	3	1.58
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	7	1.58
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	7	1.58
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	7	1.58
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	8	1.58
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	8	1.58
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	8	1.58
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	10	1.58
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	10	1.58
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	10	1.58
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	16	1.58
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	16	1.58
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	16	1.58
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	17	1.58
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	17	1.58
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	17	1.58
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	9	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	1	1.58
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	1	1.58
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	1	1.58
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	3	1.58
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	3	1.58
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	3	1.58
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	5	1.58
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	5	1.58
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	5	1.58
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	19	1.58
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	3	1.58
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	12	1.58
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	1	1.58
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	8	1.58
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	9	1.58
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	12	1.58
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	6	1.58
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	6	1.58
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	6	1.58
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	7	1.58
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	7	1.58
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	7	1.58
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	6	1.58
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	6	1.58
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	6	1.58
(2,2792)	1:125:A:ILE:HD11	1:125:A:ILE:HB	20	1.58
(2,2792)	1:125:A:ILE:HD12	1:125:A:ILE:HB	20	1.58
(2,2792)	1:125:A:ILE:HD13	1:125:A:ILE:HB	20	1.58
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	1	1.58
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	5	1.58
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	6	1.58
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	7	1.58
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	8	1.58
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	9	1.58
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	16	1.58
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	14	1.58
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	2	1.58
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	19	1.58
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	19	1.58
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	19	1.58
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	19	1.58
(2,2595)	1:15:A:LEU:HD11	1:16:A:ASN:H	6	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2595)	1:15:A:LEU:HD12	1:16:A:ASN:H	6	1.58
(2,2595)	1:15:A:LEU:HD13	1:16:A:ASN:H	6	1.58
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	1	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	1	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	1	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	1	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	2	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	2	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	2	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	3	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	3	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	3	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	4	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	4	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	4	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	5	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	5	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	5	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	7	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	7	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	7	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	8	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	8	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	8	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	9	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	9	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	9	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	11	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	11	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	11	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	12	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	12	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	12	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	13	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	13	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	13	1.58
(2,2534)	1:15:A:LEU:HD11	1:15:A:LEU:HG	17	1.58
(2,2534)	1:15:A:LEU:HD12	1:15:A:LEU:HG	17	1.58
(2,2534)	1:15:A:LEU:HD13	1:15:A:LEU:HG	17	1.58
(2,2533)	1:151:A:ILE:HG13	1:151:A:ILE:HA	17	1.58
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	6	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	1	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	1	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	1	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	3	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	3	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	3	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	4	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	4	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	4	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	7	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	7	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	7	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	8	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	8	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	8	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	9	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	9	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	9	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	11	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	11	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	11	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	12	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	12	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	12	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	13	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	13	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	13	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	14	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	14	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	14	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	15	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	15	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	15	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	16	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	16	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	16	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	17	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	17	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	17	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	19	1.58
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	19	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	19	1.58
(2,2512)	1:89:A:ILE:HD11	1:89:A:ILE:HG12	20	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2512)	1:89:A:ILE:HD12	1:89:A:ILE:HG12	20	1.58
(2,2512)	1:89:A:ILE:HD13	1:89:A:ILE:HG12	20	1.58
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	1	1.58
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	7	1.58
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	8	1.58
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	13	1.58
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	15	1.58
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	17	1.58
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	18	1.58
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	19	1.58
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	20	1.58
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	17	1.58
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	4	1.58
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	11	1.58
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	17	1.58
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	4	1.58
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	6	1.58
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	11	1.58
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	16	1.58
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	19	1.58
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	2	1.58
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	6	1.58
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	7	1.58
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	14	1.58
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	15	1.58
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	11	1.58
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	11	1.58
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	11	1.58
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	10	1.58
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	6	1.58
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	8	1.58
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	9	1.58
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	13	1.58
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	20	1.58
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	8	1.58
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	17	1.58
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	17	1.58
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	17	1.58
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	17	1.58
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	17	1.58
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	17	1.58
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	17	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	17	1.58
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	17	1.58
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	1	1.58
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	1	1.58
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	1	1.58
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	2	1.58
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	2	1.58
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	2	1.58
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	3	1.58
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	3	1.58
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	3	1.58
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	4	1.58
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	4	1.58
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	4	1.58
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	12	1.58
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	12	1.58
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	12	1.58
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	16	1.58
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	16	1.58
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	16	1.58
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	18	1.58
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	18	1.58
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	18	1.58
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	2	1.58
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	20	1.58
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	20	1.58
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	20	1.58
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	2	1.58
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	20	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	4	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	4	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	4	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	6	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	6	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	6	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	9	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	9	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	9	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	10	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	10	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	10	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD21	18	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD22	18	1.58
(2,2038)	1:36:A:LEU:HG	1:36:A:LEU:HD23	18	1.58
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	2	1.58
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	7	1.58
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	10	1.58
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	11	1.58
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	12	1.58
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	13	1.58
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	14	1.58
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	15	1.58
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	18	1.58
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	19	1.58
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	15	1.58
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	2	1.58
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	2	1.58
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	2	1.58
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	9	1.58
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	9	1.58
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	9	1.58
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	12	1.58
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	12	1.58
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	12	1.58
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	8	1.58
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	8	1.58
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	8	1.58
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	16	1.58
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	16	1.58
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	16	1.58
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	4	1.58
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	6	1.58
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	7	1.58
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	7	1.58
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	7	1.58
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	9	1.58
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	9	1.58
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	9	1.58
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	16	1.58
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	16	1.58
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	16	1.58
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	7	1.58
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	7	1.58
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	7	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	10	1.58
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	10	1.58
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	10	1.58
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	10	1.58
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	9	1.58
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	11	1.58
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	6	1.58
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	7	1.58
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	9	1.58
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	9	1.58
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	9	1.58
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	13	1.58
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	13	1.58
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	13	1.58
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	16	1.58
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	16	1.58
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	16	1.58
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	20	1.58
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	20	1.58
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	20	1.58
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	9	1.58
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	9	1.58
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	9	1.58
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	18	1.58
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	18	1.58
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	18	1.58
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	2	1.58
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	12	1.58
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	13	1.58
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	10	1.58
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	20	1.58
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	7	1.58
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	7	1.58
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	7	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	5	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	5	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	5	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	9	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	9	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	9	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	11	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	11	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	11	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	12	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	12	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	12	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	19	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	19	1.58
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	19	1.58
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	18	1.58
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	18	1.58
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	18	1.58
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	8	1.58
(2,1332)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	17	1.58
(2,1332)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	17	1.58
(2,1332)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	17	1.58
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	15	1.58
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	15	1.58
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	15	1.58
(2,1307)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	9	1.58
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG21	17	1.58
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG22	17	1.58
(2,1285)	1:166:A:ASN:H	1:165:A:ILE:HG23	17	1.58
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	5	1.58
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	6	1.58
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	11	1.58
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	15	1.58
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	17	1.58
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	18	1.58
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	20	1.58
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	9	1.58
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	17	1.58
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	11	1.58
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	6	1.58
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	9	1.58
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	20	1.58
(2,1141)	1:143:A:ILE:HA	1:144:A:ARG:H	20	1.58
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	14	1.58
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	3	1.58
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	4	1.58
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	5	1.58
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	7	1.58
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	8	1.58
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	11	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	12	1.58
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	13	1.58
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	15	1.58
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	18	1.58
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	20	1.58
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	16	1.58
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	20	1.58
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	1	1.58
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	7	1.58
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	9	1.58
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	10	1.58
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	14	1.58
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	19	1.58
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	20	1.58
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	19	1.58
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	18	1.58
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	4	1.58
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	13	1.58
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	8	1.58
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	8	1.58
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	8	1.58
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	17	1.58
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	17	1.58
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	17	1.58
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	7	1.58
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	8	1.58
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	8	1.58
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	8	1.58
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	13	1.58
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	13	1.58
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	8	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	11	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	11	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	11	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	11	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	11	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	11	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	11	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	11	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	11	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	12	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	12	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	12	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	12	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	12	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	12	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	12	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	12	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	12	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	13	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	13	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	13	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	13	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	13	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	13	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	13	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	13	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	13	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	14	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	14	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	14	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	14	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	14	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	14	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	14	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	14	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	14	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	15	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	15	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	15	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	15	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	15	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	15	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	15	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	15	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	15	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	18	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	18	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	18	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	18	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	18	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	18	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	18	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	18	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	18	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	19	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	19	1.58
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	19	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	19	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	19	1.58
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	19	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	19	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	19	1.58
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	19	1.58
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG21	16	1.58
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG22	16	1.58
(2,784)	1:24:A:ILE:HG12	1:24:A:ILE:HG23	16	1.58
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	12	1.58
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	12	1.58
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	12	1.58
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	1	1.58
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	1	1.58
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	1	1.58
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	9	1.58
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	16	1.58
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	4	1.58
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	7	1.58
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	10	1.58
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	14	1.58
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	15	1.58
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	9	1.58
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	9	1.58
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	9	1.58
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	20	1.58
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	20	1.58
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	20	1.58
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	19	1.58
(2,635)	1:101:A:ILE:H	1:100:A:ILE:HA	12	1.58
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	2	1.58
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	4	1.58
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	9	1.58
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	13	1.58
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	14	1.58
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	16	1.58
(2,629)	1:145:A:MET:HB2	1:145:A:MET:HG2	17	1.58
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	4	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	16	1.58
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	2	1.58
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	2	1.58
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	2	1.58
(2,583)	1:47:A:VAL:HG11	1:47:A:VAL:HB	3	1.58
(2,583)	1:47:A:VAL:HG12	1:47:A:VAL:HB	3	1.58
(2,583)	1:47:A:VAL:HG13	1:47:A:VAL:HB	3	1.58
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	1	1.58
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	1	1.58
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	1	1.58
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	4	1.58
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	4	1.58
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	4	1.58
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	7	1.58
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	7	1.58
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	7	1.58
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	12	1.58
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	12	1.58
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	12	1.58
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	13	1.58
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	18	1.58
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	8	1.58
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	10	1.58
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	1	1.58
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	5	1.58
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	10	1.58
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	15	1.58
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	5	1.58
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	13	1.58
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	20	1.58
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	14	1.58
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	20	1.58
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	17	1.58
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	17	1.58
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	17	1.58
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	19	1.58
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	19	1.58
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	19	1.58
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	4	1.58
(2,238)	1:128:A:THR:HB	1:128:A:THR:H	17	1.58
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	8	1.58
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	14	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,218)	1:128:A:THR:HA	1:128:A:THR:HB	14	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	1	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	2	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	3	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	4	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	5	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	6	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	7	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	8	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	9	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	10	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	11	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	12	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	13	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	14	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	15	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	16	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	17	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	18	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	19	1.58
(2,140)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	20	1.58
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	9	1.58
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	6	1.58
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	8	1.58
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	16	1.58
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	17	1.58
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	6	1.58
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	6	1.58
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	6	1.58
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	12	1.58
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	12	1.58
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	12	1.58
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	18	1.58
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	18	1.58
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	18	1.58
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	20	1.58
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	20	1.58
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	20	1.58
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD1	14	1.58
(2,42)	1:82:A:TYR:HA	1:82:A:TYR:HD2	14	1.58
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	7	1.58
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	7	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	7	1.58
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	7	1.58
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	7	1.58
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	7	1.58
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	7	1.58
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	7	1.58
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	7	1.58
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	15	1.58
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	15	1.58
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	15	1.58
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	15	1.58
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	15	1.58
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	15	1.58
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	15	1.58
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	15	1.58
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	15	1.58
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	6	1.57
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	14	1.57
(4,884)	1:140:A:LYS:H	1:141:A:GLY:H	18	1.57
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	7	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	1	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	1	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	1	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	1	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	2	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	2	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	2	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	2	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	3	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	3	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	3	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	3	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	4	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	4	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	4	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	4	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	5	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	5	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	5	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	5	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	6	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	6	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	6	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	6	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	7	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	7	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	7	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	7	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	8	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	8	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	8	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	8	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	9	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	9	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	9	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	9	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	10	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	10	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	10	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	10	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	11	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	11	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	11	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	11	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	12	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	12	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	12	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	12	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	13	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	13	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	13	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	13	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	14	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	14	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	14	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	14	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	15	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	15	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	15	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	15	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	16	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	16	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	16	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	16	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	17	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	17	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	17	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	17	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	18	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	18	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	18	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	18	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	19	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	19	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	19	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	19	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	20	1.57
(3,1)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	20	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	20	1.57
(3,1)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	20	1.57
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	6	1.57
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	7	1.57
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	9	1.57
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	12	1.57
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	15	1.57
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	18	1.57
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	11	1.57
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	2	1.57
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	3	1.57
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	4	1.57
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	5	1.57
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	7	1.57
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	11	1.57
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	12	1.57
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	13	1.57
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	16	1.57
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	17	1.57
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	19	1.57
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	20	1.57
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	5	1.57
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	5	1.57
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	5	1.57
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	13	1.57
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	5	1.57
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	5	1.57
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	5	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	13	1.57
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	13	1.57
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	13	1.57
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	19	1.57
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	19	1.57
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	19	1.57
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	2	1.57
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	3	1.57
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	5	1.57
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	6	1.57
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	10	1.57
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	14	1.57
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	15	1.57
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	17	1.57
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	18	1.57
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	20	1.57
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	2	1.57
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	6	1.57
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	13	1.57
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	13	1.57
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	13	1.57
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	1	1.57
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	2	1.57
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	6	1.57
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	19	1.57
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	2	1.57
(2,2756)	1:101:A:ILE:HB	1:101:A:ILE:HG13	14	1.57
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	15	1.57
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	15	1.57
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	15	1.57
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	4	1.57
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	9	1.57
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	13	1.57
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	19	1.57
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	20	1.57
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	4	1.57
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	2	1.57
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	5	1.57
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	6	1.57
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	9	1.57
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	10	1.57
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	12	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	14	1.57
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	13	1.57
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	7	1.57
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	15	1.57
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	1	1.57
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	3	1.57
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	5	1.57
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	10	1.57
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	12	1.57
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	15	1.57
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	18	1.57
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	3	1.57
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	4	1.57
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	5	1.57
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	8	1.57
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	12	1.57
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	16	1.57
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	20	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	2	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	2	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	2	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	3	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	3	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	3	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	8	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	8	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	8	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	9	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	9	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	9	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	14	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	14	1.57
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	14	1.57
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	3	1.57
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	5	1.57
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	10	1.57
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	7	1.57
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	7	1.57
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	7	1.57
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	7	1.57
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	7	1.57
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	7	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	7	1.57
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	7	1.57
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	7	1.57
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	16	1.57
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	16	1.57
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	16	1.57
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	16	1.57
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	16	1.57
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	16	1.57
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	16	1.57
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	16	1.57
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	16	1.57
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	6	1.57
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	6	1.57
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	6	1.57
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	9	1.57
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	9	1.57
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	9	1.57
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	11	1.57
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	11	1.57
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	11	1.57
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	17	1.57
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	2	1.57
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	18	1.57
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	11	1.57
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	1	1.57
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	3	1.57
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	5	1.57
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	6	1.57
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	8	1.57
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	17	1.57
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	20	1.57
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	8	1.57
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	8	1.57
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	8	1.57
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	11	1.57
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	6	1.57
(2,1904)	1:136:A:LYS:HB3	1:137:A:ALA:H	15	1.57
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	3	1.57
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	7	1.57
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	15	1.57
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	14	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	13	1.57
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	10	1.57
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	10	1.57
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	10	1.57
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	19	1.57
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	19	1.57
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	19	1.57
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	12	1.57
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	7	1.57
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	1	1.57
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	1	1.57
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	1	1.57
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	4	1.57
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	4	1.57
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	4	1.57
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	5	1.57
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	5	1.57
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	5	1.57
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	6	1.57
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	6	1.57
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	6	1.57
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	8	1.57
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	8	1.57
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	8	1.57
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	12	1.57
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	12	1.57
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	12	1.57
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	17	1.57
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	17	1.57
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	17	1.57
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	18	1.57
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	18	1.57
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	18	1.57
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	16	1.57
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	6	1.57
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	8	1.57
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	10	1.57
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	14	1.57
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	18	1.57
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	11	1.57
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	13	1.57
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	19	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	20	1.57
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	2	1.57
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	11	1.57
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	20	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	1	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	1	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	1	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	2	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	2	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	2	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	3	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	3	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	3	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	4	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	4	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	4	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	5	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	5	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	5	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	6	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	6	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	6	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	7	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	7	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	7	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	8	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	8	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	8	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	10	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	10	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	10	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	12	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	12	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	12	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	14	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	14	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	14	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	15	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	15	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	15	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	17	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	17	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	17	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	18	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	18	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	18	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	19	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	19	1.57
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	19	1.57
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	5	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	2	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	2	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	2	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	7	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	7	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	7	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	8	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	8	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	8	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	10	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	10	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	10	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	13	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	13	1.57
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	13	1.57
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	12	1.57
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	2	1.57
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	2	1.57
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	2	1.57
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	18	1.57
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	18	1.57
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	18	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	1	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	1	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	1	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	2	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	2	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	2	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	3	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	3	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	3	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	4	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	4	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	4	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	6	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	6	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	6	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	7	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	7	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	7	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	8	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	8	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	8	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	10	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	10	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	10	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	13	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	13	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	13	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	14	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	14	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	14	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	15	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	15	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	15	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	16	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	16	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	16	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	17	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	17	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	17	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	18	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	18	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	18	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG21	20	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG22	20	1.57
(2,1459)	1:24:A:ILE:HB	1:24:A:ILE:HG23	20	1.57
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	3	1.57
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	3	1.57
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	3	1.57
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	9	1.57
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	12	1.57
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	2	1.57
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	3	1.57
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	9	1.57
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	12	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	16	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	1	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	1	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	1	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	2	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	2	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	2	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	3	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	3	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	3	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	4	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	4	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	4	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	5	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	5	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	5	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	7	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	7	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	7	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	9	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	9	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	9	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	10	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	10	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	10	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	12	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	12	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	12	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	13	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	13	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	13	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	14	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	14	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	14	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	15	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	15	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	15	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	16	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	16	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	16	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	17	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	17	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	17	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	18	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	18	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	18	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	19	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	19	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	19	1.57
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	20	1.57
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	20	1.57
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	20	1.57
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	19	1.57
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	4	1.57
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	19	1.57
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	2	1.57
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	5	1.57
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	7	1.57
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	15	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	1	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	2	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	3	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	4	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	5	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	6	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	7	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	8	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	9	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	10	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	11	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	12	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	13	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	14	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	17	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	19	1.57
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	20	1.57
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	2	1.57
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	6	1.57
(2,1126)	1:83:A:PRO:HA	1:83:A:PRO:HB3	14	1.57
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	6	1.57
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	18	1.57
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	18	1.57
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	18	1.57
(2,1055)	1:93:A:THR:HG21	1:93:A:THR:HA	16	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1055)	1:93:A:THR:HG22	1:93:A:THR:HA	16	1.57
(2,1055)	1:93:A:THR:HG23	1:93:A:THR:HA	16	1.57
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	5	1.57
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	17	1.57
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	4	1.57
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	15	1.57
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	14	1.57
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	4	1.57
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	12	1.57
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	13	1.57
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	19	1.57
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	11	1.57
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	14	1.57
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	1	1.57
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	5	1.57
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	9	1.57
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	10	1.57
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	12	1.57
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	13	1.57
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	17	1.57
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	20	1.57
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	10	1.57
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	13	1.57
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	13	1.57
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	13	1.57
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	11	1.57
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	11	1.57
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	11	1.57
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	15	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	3	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	3	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	3	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	3	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	3	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	3	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	3	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	3	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	3	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	4	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	4	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	4	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	4	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	4	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	4	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	4	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	4	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	4	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	5	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	5	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	5	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	5	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	5	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	5	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	5	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	5	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	5	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	9	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	9	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	9	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	9	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	9	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	9	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	9	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	9	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	9	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	16	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	16	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	16	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	16	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	16	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	16	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	16	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	16	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	16	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	20	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	20	1.57
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	20	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	20	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	20	1.57
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	20	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	20	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	20	1.57
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	20	1.57
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	10	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	10	1.57
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	10	1.57
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	17	1.57
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	17	1.57
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	17	1.57
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	2	1.57
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	3	1.57
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	4	1.57
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	12	1.57
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	13	1.57
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	16	1.57
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	6	1.57
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	11	1.57
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	13	1.57
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	20	1.57
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	9	1.57
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	20	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	1	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	2	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	3	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	5	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	6	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	8	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	9	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	11	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	12	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	13	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	16	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	17	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	18	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	19	1.57
(2,720)	1:65:A:ILE:HG12	1:65:A:ILE:HG13	20	1.57
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	11	1.57
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	13	1.57
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	20	1.57
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	2	1.57
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	2	1.57
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	2	1.57
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	6	1.57
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	6	1.57
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	6	1.57
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	8	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	8	1.57
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	8	1.57
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	13	1.57
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	13	1.57
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	13	1.57
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	16	1.57
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	16	1.57
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	16	1.57
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	18	1.57
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	18	1.57
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	18	1.57
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	1	1.57
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	1	1.57
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	1	1.57
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	6	1.57
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	6	1.57
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	6	1.57
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	9	1.57
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	9	1.57
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	9	1.57
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	10	1.57
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	10	1.57
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	10	1.57
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	13	1.57
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	3	1.57
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	3	1.57
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	3	1.57
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	1	1.57
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	1	1.57
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	1	1.57
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	12	1.57
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	12	1.57
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	12	1.57
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	16	1.57
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	7	1.57
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	11	1.57
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	2	1.57
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	1	1.57
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	1	1.57
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	1	1.57
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	2	1.57
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	2	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	2	1.57
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	7	1.57
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	7	1.57
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	7	1.57
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	8	1.57
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	8	1.57
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	8	1.57
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	10	1.57
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	10	1.57
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	10	1.57
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	8	1.57
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	10	1.57
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	20	1.57
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	4	1.57
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	6	1.57
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	1	1.57
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	1	1.57
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	1	1.57
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	3	1.57
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	3	1.57
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	3	1.57
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	4	1.57
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	4	1.57
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	4	1.57
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	7	1.57
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	7	1.57
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	7	1.57
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	10	1.57
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	10	1.57
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	10	1.57
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	13	1.57
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	13	1.57
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	13	1.57
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	15	1.57
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	15	1.57
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	15	1.57
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD11	20	1.57
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD12	20	1.57
(2,246)	1:51:A:LEU:HB2	1:51:A:LEU:HD13	20	1.57
(2,234)	1:5:A:LEU:H	1:5:A:LEU:HB2	17	1.57
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	1	1.57
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	6	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	8	1.57
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	9	1.57
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	16	1.57
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	18	1.57
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	1	1.57
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	3	1.57
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	14	1.57
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	1	1.57
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	2	1.57
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	10	1.57
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	4	1.57
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	8	1.57
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	8	1.57
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	8	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	1	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	1	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	1	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	1	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	1	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	1	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	1	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	1	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	1	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	3	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	3	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	3	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	3	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	3	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	3	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	3	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	3	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	3	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	5	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	5	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	5	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	5	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	5	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	5	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	5	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	5	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	5	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	10	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	10	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	10	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	10	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	10	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	10	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	10	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	10	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	10	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	18	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	18	1.57
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	18	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	18	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	18	1.57
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	18	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	18	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	18	1.57
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	18	1.57
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	7	1.56
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	12	1.56
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	4	1.56
(4,1486)	1:140:A:LYS:HD2	1:141:A:GLY:H	20	1.56
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	20	1.56
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	11	1.56
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	12	1.56
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	12	1.56
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	3	1.56
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	3	1.56
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	8	1.56
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	8	1.56
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	3	1.56
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	4	1.56
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	6	1.56
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	8	1.56
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	14	1.56
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	17	1.56
(2,3183)	1:118:A:LEU:HB3	1:118:A:LEU:H	19	1.56
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	7	1.56
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	7	1.56
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	7	1.56
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	12	1.56
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	1	1.56
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	6	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	8	1.56
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	9	1.56
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	10	1.56
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	14	1.56
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	15	1.56
(2,3134)	1:131:A:PRO:HD2	1:131:A:PRO:HG2	18	1.56
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	6	1.56
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	6	1.56
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	6	1.56
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	2	1.56
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	2	1.56
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	2	1.56
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	12	1.56
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	12	1.56
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	12	1.56
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	15	1.56
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	15	1.56
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	15	1.56
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	18	1.56
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	1	1.56
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	4	1.56
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	7	1.56
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	8	1.56
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	9	1.56
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	11	1.56
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	12	1.56
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	13	1.56
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	16	1.56
(2,3008)	1:24:A:ILE:HG12	1:24:A:ILE:HG13	19	1.56
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	10	1.56
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	16	1.56
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	9	1.56
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	9	1.56
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	9	1.56
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	11	1.56
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	11	1.56
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	11	1.56
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	7	1.56
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	4	1.56
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	3	1.56
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	13	1.56
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	13	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	13	1.56
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	18	1.56
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	18	1.56
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	18	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	1	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	2	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	4	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	6	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	7	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	8	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	12	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	13	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	14	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	15	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	16	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	18	1.56
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	20	1.56
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	12	1.56
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	5	1.56
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	15	1.56
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	20	1.56
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	20	1.56
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	20	1.56
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	12	1.56
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	8	1.56
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	11	1.56
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	15	1.56
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	18	1.56
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	11	1.56
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	1	1.56
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	2	1.56
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	4	1.56
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	7	1.56
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	8	1.56
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	9	1.56
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	10	1.56
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	11	1.56
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	14	1.56
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	16	1.56
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	19	1.56
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	11	1.56
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	15	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	6	1.56
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	20	1.56
(2,2471)	1:129:A:ASN:HA	1:129:A:ASN:H	3	1.56
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	7	1.56
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	8	1.56
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	9	1.56
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	13	1.56
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	1	1.56
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	9	1.56
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	10	1.56
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	18	1.56
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	3	1.56
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	3	1.56
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	3	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	1	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	1	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	1	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	10	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	10	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	10	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	11	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	11	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	11	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	13	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	13	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	13	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	15	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	15	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	15	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	18	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	18	1.56
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	18	1.56
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	20	1.56
(2,2317)	1:97:A:GLU:HA	1:98:A:PHE:H	5	1.56
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	1	1.56
(2,2248)	1:5:A:LEU:H	1:5:A:LEU:HB3	4	1.56
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	7	1.56
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	12	1.56
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	12	1.56
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	12	1.56
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	12	1.56
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	12	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	12	1.56
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	12	1.56
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	12	1.56
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	12	1.56
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	3	1.56
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	6	1.56
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	11	1.56
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	12	1.56
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	15	1.56
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	16	1.56
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	19	1.56
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	1	1.56
(2,2160)	1:29:A:LEU:HD21	1:30:A:LEU:H	15	1.56
(2,2160)	1:29:A:LEU:HD22	1:30:A:LEU:H	15	1.56
(2,2160)	1:29:A:LEU:HD23	1:30:A:LEU:H	15	1.56
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	8	1.56
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	8	1.56
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	8	1.56
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	17	1.56
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	17	1.56
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	17	1.56
(2,2144)	1:5:A:LEU:HD21	1:5:A:LEU:HB2	20	1.56
(2,2144)	1:5:A:LEU:HD22	1:5:A:LEU:HB2	20	1.56
(2,2144)	1:5:A:LEU:HD23	1:5:A:LEU:HB2	20	1.56
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	16	1.56
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	4	1.56
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	17	1.56
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	19	1.56
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	20	1.56
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	18	1.56
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	9	1.56
(2,2037)	1:33:A:ASN:HB3	1:33:A:ASN:HA	16	1.56
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	17	1.56
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	1	1.56
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	1	1.56
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	1	1.56
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	1	1.56
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	1	1.56
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	1	1.56
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	20	1.56
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	20	1.56
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	20	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	1	1.56
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	1	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	1	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	3	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	4	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	5	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	7	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	8	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	9	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	10	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	14	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	16	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	17	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	18	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	19	1.56
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	20	1.56
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	3	1.56
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	3	1.56
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	3	1.56
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	13	1.56
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	13	1.56
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	13	1.56
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	16	1.56
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	16	1.56
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	16	1.56
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	19	1.56
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	19	1.56
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	19	1.56
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	11	1.56
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	11	1.56
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	11	1.56
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	11	1.56
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	19	1.56
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	2	1.56
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	4	1.56
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	5	1.56
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	12	1.56
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	15	1.56
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	17	1.56
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	19	1.56
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	20	1.56
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	5	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	5	1.56
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	13	1.56
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	16	1.56
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	10	1.56
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	10	1.56
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	10	1.56
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD21	11	1.56
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD22	11	1.56
(2,1566)	1:153:A:LEU:HG	1:153:A:LEU:HD23	11	1.56
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	5	1.56
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	5	1.56
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	5	1.56
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	6	1.56
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	6	1.56
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	6	1.56
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	5	1.56
(2,1540)	1:99:A:TYR:HB2	1:99:A:TYR:H	17	1.56
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	8	1.56
(2,1498)	1:145:A:MET:HE1	1:145:A:MET:HB3	12	1.56
(2,1498)	1:145:A:MET:HE2	1:145:A:MET:HB3	12	1.56
(2,1498)	1:145:A:MET:HE3	1:145:A:MET:HB3	12	1.56
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	13	1.56
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	13	1.56
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	13	1.56
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	13	1.56
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	13	1.56
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	13	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	2	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	2	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	2	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	3	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	3	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	3	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	6	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	6	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	6	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	8	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	8	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	8	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	12	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	12	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	12	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	14	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	14	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	14	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	15	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	15	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	15	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	16	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	16	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	16	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	17	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	17	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	17	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	18	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	18	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	18	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	19	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	19	1.56
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	19	1.56
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	7	1.56
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	7	1.56
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	7	1.56
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	3	1.56
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	15	1.56
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	1	1.56
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	4	1.56
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	15	1.56
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	18	1.56
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	4	1.56
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	8	1.56
(2,1215)	1:68:A:LYS:HA	1:68:A:LYS:HB3	19	1.56
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	6	1.56
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	6	1.56
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	6	1.56
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	8	1.56
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	8	1.56
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	8	1.56
(2,1197)	1:19:A:ALA:HB1	1:19:A:ALA:HA	11	1.56
(2,1197)	1:19:A:ALA:HB2	1:19:A:ALA:HA	11	1.56
(2,1197)	1:19:A:ALA:HB3	1:19:A:ALA:HA	11	1.56
(2,1196)	1:166:A:ASN:H	1:165:A:ILE:HA	6	1.56
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	18	1.56
(2,1188)	1:134:A:ILE:HG12	1:134:A:ILE:HA	20	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	17	1.56
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	15	1.56
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	16	1.56
(2,1130)	1:152:A:GLU:HG2	1:152:A:GLU:HG3	18	1.56
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	13	1.56
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	19	1.56
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	1	1.56
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	2	1.56
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	3	1.56
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	7	1.56
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	9	1.56
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	15	1.56
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	17	1.56
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	18	1.56
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	5	1.56
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	6	1.56
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	5	1.56
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	12	1.56
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	17	1.56
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	20	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	1	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	3	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	5	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	6	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	7	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	9	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	10	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	15	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	16	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	17	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	18	1.56
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	20	1.56
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	16	1.56
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	16	1.56
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	16	1.56
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	2	1.56
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	3	1.56
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	4	1.56
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	6	1.56
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	7	1.56
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	8	1.56
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	11	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	14	1.56
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	15	1.56
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	16	1.56
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	18	1.56
(2,911)	1:100:A:ILE:HB	1:100:A:ILE:HA	19	1.56
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	5	1.56
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	14	1.56
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	20	1.56
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	17	1.56
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	19	1.56
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	19	1.56
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	19	1.56
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	17	1.56
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	4	1.56
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG21	20	1.56
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG22	20	1.56
(2,818)	1:23:A:ARG:H	1:24:A:ILE:HG23	20	1.56
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	17	1.56
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	17	1.56
(2,794)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	17	1.56
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	17	1.56
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	17	1.56
(2,794)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	17	1.56
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	17	1.56
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	17	1.56
(2,794)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	17	1.56
(2,757)	1:19:A:ALA:HB1	1:26:A:THR:HA	11	1.56
(2,757)	1:19:A:ALA:HB2	1:26:A:THR:HA	11	1.56
(2,757)	1:19:A:ALA:HB3	1:26:A:THR:HA	11	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	4	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	4	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	4	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	8	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	8	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	8	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	11	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	11	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	11	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	13	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	13	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	13	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	16	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	16	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	16	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	20	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	20	1.56
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	20	1.56
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	8	1.56
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	17	1.56
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	19	1.56
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	5	1.56
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	7	1.56
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	8	1.56
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	10	1.56
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	18	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	1	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	2	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	3	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	4	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	5	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	6	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	7	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	8	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	10	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	11	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	12	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	13	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	14	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	15	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	16	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	17	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	18	1.56
(2,726)	1:134:A:ILE:HB	1:134:A:ILE:HA	19	1.56
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	1	1.56
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	17	1.56
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	18	1.56
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	1	1.56
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	1	1.56
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	1	1.56
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	4	1.56
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	4	1.56
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	4	1.56
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	5	1.56
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	5	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	5	1.56
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	7	1.56
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	7	1.56
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	7	1.56
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	10	1.56
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	10	1.56
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	10	1.56
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	15	1.56
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	15	1.56
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	15	1.56
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	17	1.56
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	17	1.56
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	17	1.56
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	19	1.56
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	19	1.56
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	19	1.56
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	9	1.56
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	18	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	1	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	1	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	1	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	2	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	2	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	2	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	3	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	3	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	3	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	4	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	4	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	4	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	5	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	5	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	5	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	6	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	6	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	6	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	7	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	7	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	7	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	8	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	8	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	8	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	9	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	9	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	9	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	10	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	10	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	10	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	11	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	11	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	11	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	13	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	13	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	13	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	14	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	14	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	14	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	15	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	15	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	15	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	16	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	16	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	16	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	17	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	17	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	17	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	18	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	18	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	18	1.56
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	20	1.56
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	20	1.56
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	20	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	2	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	2	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	2	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	3	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	3	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	3	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	4	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	4	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	4	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	5	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	5	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	5	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	7	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	7	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	7	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	8	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	8	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	8	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	11	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	11	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	11	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	12	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	12	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	12	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	13	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	13	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	13	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	14	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	14	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	14	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	15	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	15	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	15	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	16	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	16	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	16	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	17	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	17	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	17	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	18	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	18	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	18	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	19	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	19	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	19	1.56
(2,651)	1:6:A:THR:HG21	1:6:A:THR:HB	20	1.56
(2,651)	1:6:A:THR:HG22	1:6:A:THR:HB	20	1.56
(2,651)	1:6:A:THR:HG23	1:6:A:THR:HB	20	1.56
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	20	1.56
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	13	1.56
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	18	1.56
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	18	1.56
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	18	1.56
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	10	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	4	1.56
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	18	1.56
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	17	1.56
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	17	1.56
(2,433)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	17	1.56
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	8	1.56
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	4	1.56
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	7	1.56
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	8	1.56
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	9	1.56
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	10	1.56
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	15	1.56
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	16	1.56
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	19	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	3	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	3	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	3	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	4	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	4	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	4	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	5	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	5	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	5	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	6	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	6	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	6	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	9	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	9	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	9	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	11	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	11	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	11	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	12	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	12	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	12	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	13	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	13	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	13	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	14	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	14	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	14	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	15	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	15	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	15	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	16	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	16	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	16	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	17	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	17	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	17	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	19	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	19	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	19	1.56
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	20	1.56
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	20	1.56
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	20	1.56
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	14	1.56
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	11	1.56
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	11	1.56
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	11	1.56
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	20	1.56
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	20	1.56
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	20	1.56
(2,388)	1:23:A:ARG:HA	1:23:A:ARG:HG3	7	1.56
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	5	1.56
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	7	1.56
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	19	1.56
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	20	1.56
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	8	1.56
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	9	1.56
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	17	1.56
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	1	1.56
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	19	1.56
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	6	1.56
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	6	1.56
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	6	1.56
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	8	1.56
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	8	1.56
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	8	1.56
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	9	1.56
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	9	1.56
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	9	1.56
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	12	1.56
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	12	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	12	1.56
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	18	1.56
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	18	1.56
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	18	1.56
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	6	1.56
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	6	1.56
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	6	1.56
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	4	1.56
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	7	1.56
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	13	1.56
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	15	1.56
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	12	1.56
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	9	1.56
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	9	1.56
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	9	1.56
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	9	1.56
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	9	1.56
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	9	1.56
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	9	1.56
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	9	1.56
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	9	1.56
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	4	1.56
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	10	1.56
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	13	1.56
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	3	1.56
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	3	1.56
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	3	1.56
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	17	1.56
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	17	1.56
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	17	1.56
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	19	1.56
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	19	1.56
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	19	1.56
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	3	1.56
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	8	1.56
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	13	1.56
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	2	1.56
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	2	1.56
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	2	1.56
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	2	1.56
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	2	1.56
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	2	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	2	1.56
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	2	1.56
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	2	1.56
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	17	1.56
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	17	1.56
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	17	1.56
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	17	1.56
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	17	1.56
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	17	1.56
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	17	1.56
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	17	1.56
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	17	1.56
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	14	1.55
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	12	1.55
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	12	1.55
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	14	1.55
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	6	1.55
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	7	1.55
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	8	1.55
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	9	1.55
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	10	1.55
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	18	1.55
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	6	1.55
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	16	1.55
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	20	1.55
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	13	1.55
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	4	1.55
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	4	1.55
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	4	1.55
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	4	1.55
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	11	1.55
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	11	1.55
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	11	1.55
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	2	1.55
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	13	1.55
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	15	1.55
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	5	1.55
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	8	1.55
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	2	1.55
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	2	1.55
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	2	1.55
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	6	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	6	1.55
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	6	1.55
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	17	1.55
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	17	1.55
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	17	1.55
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	6	1.55
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	10	1.55
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	10	1.55
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	12	1.55
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	3	1.55
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	12	1.55
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	11	1.55
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	3	1.55
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	5	1.55
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	9	1.55
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	10	1.55
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	11	1.55
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	17	1.55
(2,2806)	1:69:A:THR:H	1:69:A:THR:HA	19	1.55
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	8	1.55
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	16	1.55
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	16	1.55
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	16	1.55
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	16	1.55
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	2	1.55
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	3	1.55
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	7	1.55
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	10	1.55
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	13	1.55
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	11	1.55
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	11	1.55
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	11	1.55
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	6	1.55
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	12	1.55
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	15	1.55
(2,2526)	1:65:A:ILE:HG13	1:65:A:ILE:HB	18	1.55
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	9	1.55
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	12	1.55
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	1	1.55
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	18	1.55
(2,2408)	1:151:A:ILE:HB	1:151:A:ILE:H	2	1.55
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	13	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	17	1.55
(2,2392)	1:59:A:TYR:H	1:59:A:TYR:HA	19	1.55
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	5	1.55
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	5	1.55
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	5	1.55
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	13	1.55
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	13	1.55
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	13	1.55
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	5	1.55
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	5	1.55
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	5	1.55
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	7	1.55
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	7	1.55
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	7	1.55
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	12	1.55
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	12	1.55
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	12	1.55
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	8	1.55
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	3	1.55
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	14	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	1	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	2	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	4	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	5	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	7	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	8	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	9	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	10	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	13	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	14	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	17	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	18	1.55
(2,2176)	1:66:A:GLY:HA3	1:66:A:GLY:H	20	1.55
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	5	1.55
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	6	1.55
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	7	1.55
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	9	1.55
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	13	1.55
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	15	1.55
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	16	1.55
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	1	1.55
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	6	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	6	1.55
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	6	1.55
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	6	1.55
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	6	1.55
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	6	1.55
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	17	1.55
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	17	1.55
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	17	1.55
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	17	1.55
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	2	1.55
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	3	1.55
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	9	1.55
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	13	1.55
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	14	1.55
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	15	1.55
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	16	1.55
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	17	1.55
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	18	1.55
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	5	1.55
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	5	1.55
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	5	1.55
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	6	1.55
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	6	1.55
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	6	1.55
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	6	1.55
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	9	1.55
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	12	1.55
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	16	1.55
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	18	1.55
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	19	1.55
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	2	1.55
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	5	1.55
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	2	1.55
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	2	1.55
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	2	1.55
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	2	1.55
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	6	1.55
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	11	1.55
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	13	1.55
(2,1786)	1:63:A:VAL:HA	1:63:A:VAL:H	15	1.55
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	2	1.55
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	2	1.55
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	9	1.55
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	9	1.55
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	9	1.55
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	11	1.55
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	11	1.55
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	11	1.55
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	14	1.55
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	14	1.55
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	14	1.55
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	15	1.55
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	15	1.55
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	15	1.55
(2,1769)	1:74:A:LEU:HD11	1:74:A:LEU:HG	20	1.55
(2,1769)	1:74:A:LEU:HD12	1:74:A:LEU:HG	20	1.55
(2,1769)	1:74:A:LEU:HD13	1:74:A:LEU:HG	20	1.55
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	7	1.55
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	13	1.55
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	16	1.55
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	1	1.55
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	6	1.55
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	18	1.55
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	18	1.55
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	18	1.55
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	9	1.55
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	6	1.55
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	3	1.55
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	10	1.55
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	10	1.55
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	10	1.55
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	12	1.55
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	12	1.55
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	12	1.55
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	9	1.55
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	9	1.55
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	9	1.55
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD21	20	1.55
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD22	20	1.55
(2,1418)	1:51:A:LEU:HB3	1:51:A:LEU:HD23	20	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	1	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	1	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	1	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	4	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	4	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	4	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	5	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	5	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	5	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	7	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	7	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	7	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	9	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	9	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	9	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	10	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	10	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	10	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	11	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	11	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	11	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	13	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	13	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	13	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB1	20	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB2	20	1.55
(2,1390)	1:42:A:ALA:HA	1:42:A:ALA:HB3	20	1.55
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	9	1.55
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	9	1.55
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	9	1.55
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	11	1.55
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	11	1.55
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	11	1.55
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	13	1.55
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	13	1.55
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	13	1.55
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	14	1.55
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	14	1.55
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	14	1.55
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	6	1.55
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	7	1.55
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	9	1.55
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	11	1.55
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	12	1.55
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	13	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	5	1.55
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	11	1.55
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	18	1.55
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	16	1.55
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	17	1.55
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	4	1.55
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	5	1.55
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	10	1.55
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	12	1.55
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	13	1.55
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	14	1.55
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	5	1.55
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	5	1.55
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	5	1.55
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	11	1.55
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	11	1.55
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	11	1.55
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	16	1.55
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	6	1.55
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	18	1.55
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	3	1.55
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	15	1.55
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	20	1.55
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	2	1.55
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	8	1.55
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	11	1.55
(2,921)	1:103:A:ARG:HB2	1:103:A:ARG:HB3	14	1.55
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	9	1.55
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	9	1.55
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	9	1.55
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	13	1.55
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	13	1.55
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	13	1.55
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	15	1.55
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	15	1.55
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	15	1.55
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	16	1.55
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	16	1.55
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	16	1.55
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	9	1.55
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	11	1.55
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	5	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	5	1.55
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	5	1.55
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	2	1.55
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	3	1.55
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	15	1.55
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	18	1.55
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	20	1.55
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	9	1.55
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	14	1.55
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	9	1.55
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	5	1.55
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	5	1.55
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	5	1.55
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	9	1.55
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	9	1.55
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	9	1.55
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	19	1.55
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	19	1.55
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	19	1.55
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	1	1.55
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	5	1.55
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	7	1.55
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	1	1.55
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	4	1.55
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	12	1.55
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	14	1.55
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	15	1.55
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	17	1.55
(2,715)	1:72:A:LEU:HB2	1:72:A:LEU:HA	3	1.55
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	10	1.55
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	12	1.55
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	15	1.55
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	14	1.55
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	14	1.55
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	14	1.55
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	3	1.55
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	4	1.55
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	8	1.55
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	13	1.55
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	15	1.55
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	16	1.55
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	20	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	12	1.55
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	12	1.55
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	12	1.55
(2,675)	1:154:A:ALA:HB1	1:154:A:ALA:HA	19	1.55
(2,675)	1:154:A:ALA:HB2	1:154:A:ALA:HA	19	1.55
(2,675)	1:154:A:ALA:HB3	1:154:A:ALA:HA	19	1.55
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	12	1.55
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	3	1.55
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	3	1.55
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	3	1.55
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	11	1.55
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	12	1.55
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	14	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	1	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	2	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	3	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	4	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	5	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	6	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	7	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	8	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	9	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	10	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	11	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	12	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	13	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	14	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	15	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	16	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	17	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	18	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	19	1.55
(2,483)	1:130:A:ASN:HB2	1:130:A:ASN:HB3	20	1.55
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	12	1.55
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	2	1.55
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	2	1.55
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	2	1.55
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	1	1.55
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	3	1.55
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	5	1.55
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	14	1.55
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	20	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,404)	1:90:A:LEU:HD21	1:90:A:LEU:HG	18	1.55
(2,404)	1:90:A:LEU:HD22	1:90:A:LEU:HG	18	1.55
(2,404)	1:90:A:LEU:HD23	1:90:A:LEU:HG	18	1.55
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	3	1.55
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	3	1.55
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	3	1.55
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	14	1.55
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	14	1.55
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	14	1.55
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	16	1.55
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	16	1.55
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	16	1.55
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	11	1.55
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	15	1.55
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	2	1.55
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	1	1.55
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	8	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	1	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	2	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	3	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	4	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	8	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	9	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	10	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	11	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	12	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	13	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	14	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	15	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	16	1.55
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	17	1.55
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	1	1.55
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	19	1.55
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	2	1.55
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	13	1.55
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	16	1.55
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	11	1.55
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	11	1.55
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	11	1.55
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	3	1.55
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	5	1.55
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	10	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	12	1.55
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	19	1.55
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	9	1.55
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	6	1.55
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	3	1.55
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	3	1.55
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	3	1.55
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	3	1.55
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	3	1.55
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	3	1.55
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	3	1.55
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	3	1.55
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	3	1.55
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	2	1.55
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	7	1.55
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	11	1.55
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	15	1.55
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	20	1.55
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	4	1.55
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	7	1.55
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	8	1.55
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	19	1.55
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	20	1.55
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	20	1.55
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	2	1.55
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	2	1.55
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	2	1.55
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	9	1.55
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	12	1.55
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	19	1.55
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	9	1.55
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	9	1.55
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	9	1.55
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	9	1.55
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	9	1.55
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	9	1.55
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	9	1.55
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	9	1.55
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	9	1.55
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	14	1.55
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	14	1.55
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	14	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	14	1.55
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	14	1.55
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	14	1.55
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	14	1.55
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	14	1.55
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	14	1.55
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	16	1.55
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	16	1.55
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	16	1.55
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	16	1.55
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	16	1.55
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	16	1.55
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	16	1.55
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	16	1.55
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	16	1.55
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	11	1.55
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	16	1.54
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	1	1.54
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	12	1.54
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	14	1.54
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	20	1.54
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	12	1.54
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	8	1.54
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	8	1.54
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	8	1.54
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	20	1.54
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	20	1.54
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	20	1.54
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	14	1.54
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	16	1.54
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	1	1.54
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	4	1.54
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	2	1.54
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	1	1.54
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	3	1.54
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	10	1.54
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	18	1.54
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	19	1.54
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	6	1.54
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	6	1.54
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	6	1.54
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	14	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	14	1.54
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	14	1.54
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	6	1.54
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	10	1.54
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	14	1.54
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	14	1.54
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	17	1.54
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	12	1.54
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	5	1.54
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	13	1.54
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	19	1.54
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	20	1.54
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	3	1.54
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	17	1.54
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	14	1.54
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	1	1.54
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	1	1.54
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	1	1.54
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	16	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	1	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	2	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	3	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	4	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	5	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	6	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	7	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	8	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	9	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	10	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	11	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	12	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	13	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	14	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	15	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	16	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	17	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	18	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	19	1.54
(2,2736)	1:58:A:PRO:HD2	1:58:A:PRO:HD3	20	1.54
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	6	1.54
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	20	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	1	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	3	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	4	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	5	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	7	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	10	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	11	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	12	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	13	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	14	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	15	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	17	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	19	1.54
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	20	1.54
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	7	1.54
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	7	1.54
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	7	1.54
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	9	1.54
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	9	1.54
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	9	1.54
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	11	1.54
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	11	1.54
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	11	1.54
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	12	1.54
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	12	1.54
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	12	1.54
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	17	1.54
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	17	1.54
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	17	1.54
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	11	1.54
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	13	1.54
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	1	1.54
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	2	1.54
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	5	1.54
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	14	1.54
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	16	1.54
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	17	1.54
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	19	1.54
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	4	1.54
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	4	1.54
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	4	1.54
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	1	1.54
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	6	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	1	1.54
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	7	1.54
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	11	1.54
(2,2428)	1:128:A:THR:H	1:127:A:GLY:HA3	6	1.54
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	6	1.54
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	6	1.54
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	6	1.54
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	11	1.54
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	2	1.54
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	7	1.54
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	11	1.54
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	12	1.54
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	14	1.54
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	18	1.54
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	19	1.54
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	4	1.54
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	3	1.54
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	5	1.54
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	19	1.54
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	1	1.54
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	1	1.54
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	1	1.54
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	1	1.54
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	1	1.54
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	1	1.54
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	1	1.54
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	1	1.54
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	1	1.54
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	11	1.54
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	11	1.54
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	11	1.54
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	11	1.54
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	11	1.54
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	11	1.54
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	11	1.54
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	11	1.54
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	11	1.54
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	3	1.54
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	8	1.54
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	10	1.54
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	12	1.54
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	14	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	12	1.54
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	12	1.54
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	12	1.54
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	10	1.54
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	1	1.54
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	4	1.54
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	5	1.54
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	6	1.54
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	7	1.54
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	8	1.54
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	10	1.54
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	11	1.54
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	12	1.54
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	19	1.54
(2,1975)	1:64:A:SER:HB2	1:64:A:SER:HB3	20	1.54
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	3	1.54
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	3	1.54
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	3	1.54
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	14	1.54
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	20	1.54
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	10	1.54
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	16	1.54
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	7	1.54
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	3	1.54
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	6	1.54
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	6	1.54
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	6	1.54
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	14	1.54
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	14	1.54
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	14	1.54
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	18	1.54
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	1	1.54
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	18	1.54
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	6	1.54
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	6	1.54
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	6	1.54
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	2	1.54
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	6	1.54
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	10	1.54
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	15	1.54
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	1	1.54
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	1	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	1	1.54
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	5	1.54
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	5	1.54
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	5	1.54
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	8	1.54
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	8	1.54
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	8	1.54
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	9	1.54
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	9	1.54
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	9	1.54
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	12	1.54
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	12	1.54
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	12	1.54
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	13	1.54
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	13	1.54
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	13	1.54
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	14	1.54
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	14	1.54
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	14	1.54
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	17	1.54
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	17	1.54
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	17	1.54
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	20	1.54
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	20	1.54
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	20	1.54
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	8	1.54
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	14	1.54
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	14	1.54
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	14	1.54
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	15	1.54
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	15	1.54
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	15	1.54
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	6	1.54
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	10	1.54
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	14	1.54
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	16	1.54
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	16	1.54
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	16	1.54
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	20	1.54
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	20	1.54
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	20	1.54
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	8	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	8	1.54
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	8	1.54
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG21	10	1.54
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG22	10	1.54
(2,1422)	1:57:A:ILE:H	1:56:A:THR:HG23	10	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	2	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	2	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	2	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	4	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	4	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	4	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	5	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	5	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	5	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	16	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	16	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	16	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	17	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	17	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	17	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	19	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	19	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	19	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	20	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	20	1.54
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	20	1.54
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	20	1.54
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	2	1.54
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	3	1.54
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	5	1.54
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	8	1.54
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	10	1.54
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	16	1.54
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	19	1.54
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	20	1.54
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	16	1.54
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	17	1.54
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	5	1.54
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	12	1.54
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	11	1.54
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	7	1.54
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	7	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	7	1.54
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	20	1.54
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	20	1.54
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	20	1.54
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	10	1.54
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	7	1.54
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	10	1.54
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	16	1.54
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	3	1.54
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	1	1.54
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	4	1.54
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	7	1.54
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	10	1.54
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	12	1.54
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	16	1.54
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	10	1.54
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	10	1.54
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	10	1.54
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	9	1.54
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	9	1.54
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	9	1.54
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	7	1.54
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	2	1.54
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	2	1.54
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	2	1.54
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	6	1.54
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	6	1.54
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	6	1.54
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	16	1.54
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	16	1.54
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	16	1.54
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	20	1.54
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	20	1.54
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	20	1.54
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	12	1.54
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	16	1.54
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	7	1.54
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	7	1.54
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	7	1.54
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	18	1.54
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	18	1.54
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	18	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	13	1.54
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	3	1.54
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	4	1.54
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	8	1.54
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	9	1.54
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	16	1.54
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	19	1.54
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	3	1.54
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	3	1.54
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	3	1.54
(2,681)	1:68:A:LYS:HD2	1:68:A:LYS:HE3	6	1.54
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	4	1.54
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	11	1.54
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	13	1.54
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	16	1.54
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	17	1.54
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	19	1.54
(2,594)	1:92:A:GLN:H	1:92:A:GLN:HB2	8	1.54
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	18	1.54
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	7	1.54
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	7	1.54
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	7	1.54
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	8	1.54
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	3	1.54
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	5	1.54
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	17	1.54
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	15	1.54
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	15	1.54
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	15	1.54
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	5	1.54
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	13	1.54
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	17	1.54
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	6	1.54
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	4	1.54
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	4	1.54
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	4	1.54
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	7	1.54
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	7	1.54
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	7	1.54
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	12	1.54
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	12	1.54
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	12	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	2	1.54
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	9	1.54
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	14	1.54
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	20	1.54
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	1	1.54
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	8	1.54
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	13	1.54
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	9	1.54
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	6	1.54
(2,331)	1:131:A:PRO:HD3	1:131:A:PRO:HG3	18	1.54
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	4	1.54
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	5	1.54
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	10	1.54
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	18	1.54
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	13	1.54
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	5	1.54
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	5	1.54
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	5	1.54
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	1	1.54
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	1	1.54
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	1	1.54
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	11	1.54
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	17	1.54
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	4	1.54
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	18	1.54
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	16	1.54
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	16	1.54
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	16	1.54
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	3	1.54
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	7	1.54
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	13	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	1	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	2	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	3	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	4	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	5	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	6	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	7	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	8	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	9	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	10	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	11	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	12	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	13	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	14	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	15	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	16	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	17	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	18	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	19	1.54
(2,144)	1:135:A:GLY:HA2	1:135:A:GLY:HA3	20	1.54
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	2	1.54
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	8	1.54
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	10	1.54
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	13	1.54
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	15	1.54
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	7	1.54
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	7	1.54
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	7	1.54
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	7	1.54
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	7	1.54
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	7	1.54
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	7	1.54
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	7	1.54
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	7	1.54
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	16	1.54
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	16	1.54
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	16	1.54
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	16	1.54
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	16	1.54
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	16	1.54
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	16	1.54
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	16	1.54
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	16	1.54
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	13	1.54
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	18	1.54
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	5	1.54
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	9	1.54
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	11	1.54
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	5	1.54
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	5	1.54
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	5	1.54
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	13	1.54
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	3	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	20	1.54
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	7	1.54
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	8	1.54
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	9	1.54
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	10	1.54
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	18	1.54
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	10	1.53
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	13	1.53
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	18	1.53
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	8	1.53
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	2	1.53
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	3	1.53
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	4	1.53
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	5	1.53
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	13	1.53
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	15	1.53
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	16	1.53
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	19	1.53
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	6	1.53
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	6	1.53
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	5	1.53
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	7	1.53
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	7	1.53
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	16	1.53
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	16	1.53
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	1	1.53
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	8	1.53
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	13	1.53
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	14	1.53
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	1	1.53
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	1	1.53
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	1	1.53
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	16	1.53
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	16	1.53
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	16	1.53
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	3	1.53
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	4	1.53
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	6	1.53
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	15	1.53
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	17	1.53
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	18	1.53
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	3	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	7	1.53
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	18	1.53
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	11	1.53
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	7	1.53
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	8	1.53
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	17	1.53
(2,3019)	1:46:A:ILE:HD11	1:46:A:ILE:HB	9	1.53
(2,3019)	1:46:A:ILE:HD12	1:46:A:ILE:HB	9	1.53
(2,3019)	1:46:A:ILE:HD13	1:46:A:ILE:HB	9	1.53
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	4	1.53
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	5	1.53
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	12	1.53
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	19	1.53
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	20	1.53
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	4	1.53
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	13	1.53
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	19	1.53
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	4	1.53
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	4	1.53
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	4	1.53
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	7	1.53
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	7	1.53
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	7	1.53
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	8	1.53
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	8	1.53
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	8	1.53
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	14	1.53
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	14	1.53
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	14	1.53
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	15	1.53
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	15	1.53
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	15	1.53
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	18	1.53
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	18	1.53
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	18	1.53
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	5	1.53
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	4	1.53
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	5	1.53
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	18	1.53
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	20	1.53
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	3	1.53
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	3	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	3	1.53
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	11	1.53
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	11	1.53
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	11	1.53
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	15	1.53
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	15	1.53
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	15	1.53
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	20	1.53
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	20	1.53
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	20	1.53
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	11	1.53
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	3	1.53
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	13	1.53
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	2	1.53
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	6	1.53
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	8	1.53
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	9	1.53
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	16	1.53
(2,2723)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	18	1.53
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	5	1.53
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	5	1.53
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	5	1.53
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	13	1.53
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	13	1.53
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	13	1.53
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	14	1.53
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	14	1.53
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	14	1.53
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	18	1.53
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	18	1.53
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	18	1.53
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	18	1.53
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	20	1.53
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	12	1.53
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	16	1.53
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	16	1.53
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	1	1.53
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	1	1.53
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	1	1.53
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	3	1.53
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	3	1.53
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	3	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	7	1.53
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	7	1.53
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	7	1.53
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	12	1.53
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	12	1.53
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	12	1.53
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	17	1.53
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	17	1.53
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	17	1.53
(2,2518)	1:120:A:LYS:HG3	1:120:A:LYS:HB3	18	1.53
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	12	1.53
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	9	1.53
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	15	1.53
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	2	1.53
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	5	1.53
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	17	1.53
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	2	1.53
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	7	1.53
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	15	1.53
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	15	1.53
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	19	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	1	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	2	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	3	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	4	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	6	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	7	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	8	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	9	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	10	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	11	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	12	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	13	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	14	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	15	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	16	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	17	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	18	1.53
(2,2193)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	20	1.53
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	11	1.53
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	20	1.53
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	1	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2085)	1:134:A:ILE:HG13	1:134:A:ILE:HA	11	1.53
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	8	1.53
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	13	1.53
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	13	1.53
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	13	1.53
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	15	1.53
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	15	1.53
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	15	1.53
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	7	1.53
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	7	1.53
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	7	1.53
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	10	1.53
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	10	1.53
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	10	1.53
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	13	1.53
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	13	1.53
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	13	1.53
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	18	1.53
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	18	1.53
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	18	1.53
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	9	1.53
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	9	1.53
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	9	1.53
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	8	1.53
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	1	1.53
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	4	1.53
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	7	1.53
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	8	1.53
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	9	1.53
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	11	1.53
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	15	1.53
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	17	1.53
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	19	1.53
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	7	1.53
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	4	1.53
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	4	1.53
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	4	1.53
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	5	1.53
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	5	1.53
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	5	1.53
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	12	1.53
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	12	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	12	1.53
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	16	1.53
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	16	1.53
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	16	1.53
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	20	1.53
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	20	1.53
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	20	1.53
(2,1714)	1:34:A:PRO:HD2	1:34:A:PRO:HB2	18	1.53
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	4	1.53
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	5	1.53
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	10	1.53
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	2	1.53
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	2	1.53
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	2	1.53
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	4	1.53
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	4	1.53
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	4	1.53
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	6	1.53
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	6	1.53
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	6	1.53
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	7	1.53
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	7	1.53
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	7	1.53
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	15	1.53
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	15	1.53
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	15	1.53
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	19	1.53
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	19	1.53
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	19	1.53
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	2	1.53
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	7	1.53
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	11	1.53
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	13	1.53
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	18	1.53
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	3	1.53
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	18	1.53
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	11	1.53
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	4	1.53
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	4	1.53
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	4	1.53
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	1	1.53
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	1	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	1	1.53
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	3	1.53
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	3	1.53
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	3	1.53
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	6	1.53
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	6	1.53
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	6	1.53
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	7	1.53
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	7	1.53
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	7	1.53
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	11	1.53
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	11	1.53
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	11	1.53
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	14	1.53
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	14	1.53
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	14	1.53
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	10	1.53
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	10	1.53
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	10	1.53
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	15	1.53
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	15	1.53
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	15	1.53
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	15	1.53
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	20	1.53
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	14	1.53
(2,1291)	1:123:A:TYR:HA	1:123:A:TYR:H	17	1.53
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	11	1.53
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	1	1.53
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	1	1.53
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	1	1.53
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	15	1.53
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	15	1.53
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	15	1.53
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	1	1.53
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	16	1.53
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	14	1.53
(2,1145)	1:70:A:LEU:HG	1:70:A:LEU:HA	11	1.53
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	4	1.53
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	4	1.53
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	4	1.53
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	4	1.53
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	16	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	16	1.53
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	16	1.53
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	20	1.53
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	20	1.53
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	20	1.53
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	8	1.53
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	12	1.53
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	13	1.53
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	14	1.53
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	15	1.53
(2,1011)	1:90:A:LEU:H	1:90:A:LEU:HB2	13	1.53
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	2	1.53
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	5	1.53
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	9	1.53
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	11	1.53
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	13	1.53
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	18	1.53
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	1	1.53
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	9	1.53
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	15	1.53
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	15	1.53
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	3	1.53
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	14	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	7	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	7	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	7	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	9	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	9	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	9	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	11	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	11	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	11	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	15	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	15	1.53
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	15	1.53
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	8	1.53
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	10	1.53
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	12	1.53
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	17	1.53
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	6	1.53
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	5	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	2	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	2	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	2	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	3	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	3	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	3	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	5	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	5	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	5	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	6	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	6	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	6	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	7	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	7	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	7	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	11	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	11	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	11	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	13	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	13	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	13	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	14	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	14	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	14	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	17	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	17	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	17	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	18	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	18	1.53
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	18	1.53
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	14	1.53
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	14	1.53
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	14	1.53
(2,752)	1:18:A:ILE:HB	1:18:A:ILE:H	11	1.53
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	2	1.53
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	5	1.53
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	6	1.53
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	7	1.53
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	3	1.53
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	6	1.53
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	7	1.53
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	10	1.53
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	18	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	20	1.53
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	20	1.53
(2,550)	1:153:A:LEU:HD11	1:153:A:LEU:HA	11	1.53
(2,550)	1:153:A:LEU:HD12	1:153:A:LEU:HA	11	1.53
(2,550)	1:153:A:LEU:HD13	1:153:A:LEU:HA	11	1.53
(2,549)	1:24:A:ILE:HD11	1:19:A:ALA:HA	8	1.53
(2,549)	1:24:A:ILE:HD12	1:19:A:ALA:HA	8	1.53
(2,549)	1:24:A:ILE:HD13	1:19:A:ALA:HA	8	1.53
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	13	1.53
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	13	1.53
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	13	1.53
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	3	1.53
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	13	1.53
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	15	1.53
(2,496)	1:55:A:TYR:HB2	1:55:A:TYR:H	20	1.53
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	6	1.53
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	10	1.53
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	16	1.53
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	18	1.53
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	19	1.53
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	11	1.53
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	11	1.53
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	11	1.53
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	14	1.53
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	14	1.53
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	14	1.53
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	4	1.53
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	12	1.53
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	3	1.53
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	6	1.53
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	6	1.53
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	6	1.53
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	8	1.53
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	8	1.53
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	8	1.53
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	18	1.53
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	18	1.53
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	18	1.53
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	3	1.53
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	5	1.53
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	6	1.53
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	9	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	10	1.53
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	11	1.53
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	12	1.53
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	14	1.53
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	15	1.53
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	16	1.53
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	18	1.53
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	20	1.53
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	11	1.53
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	10	1.53
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	15	1.53
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	1	1.53
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	4	1.53
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	5	1.53
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	18	1.53
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	10	1.53
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	16	1.53
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	16	1.53
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	16	1.53
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	2	1.53
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	20	1.53
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	5	1.53
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	19	1.53
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	17	1.53
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	19	1.53
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	11	1.53
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	11	1.53
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	11	1.53
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	1	1.53
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	3	1.53
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	5	1.53
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	6	1.53
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	9	1.53
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	12	1.53
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	14	1.53
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	17	1.53
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	19	1.53
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	13	1.53
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	13	1.53
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	13	1.53
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	13	1.53
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	13	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	13	1.53
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	13	1.53
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	13	1.53
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	13	1.53
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	16	1.53
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	6	1.53
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	6	1.53
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	6	1.53
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	6	1.53
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	6	1.53
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	6	1.53
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	6	1.53
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	6	1.53
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	6	1.53
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	8	1.53
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	8	1.53
(1,21)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	8	1.53
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	8	1.53
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	8	1.53
(1,21)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	8	1.53
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	8	1.53
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	8	1.53
(1,21)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	8	1.53
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	1	1.53
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	6	1.53
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	14	1.53
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	20	1.53
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	2	1.52
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	11	1.52
(4,839)	1:141:A:GLY:HA2	1:142:A:CYS:H	17	1.52
(4,252)	1:47:A:VAL:HG21	1:48:A:ILE:H	1	1.52
(4,252)	1:47:A:VAL:HG22	1:48:A:ILE:H	1	1.52
(4,252)	1:47:A:VAL:HG23	1:48:A:ILE:H	1	1.52
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	18	1.52
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	12	1.52
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	5	1.52
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	1	1.52
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	4	1.52
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	5	1.52
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	5	1.52
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	5	1.52
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	15	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	15	1.52
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	15	1.52
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	1	1.52
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	2	1.52
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	5	1.52
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	7	1.52
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	8	1.52
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	9	1.52
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	10	1.52
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	11	1.52
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	13	1.52
(2,3144)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	19	1.52
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	11	1.52
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	20	1.52
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	2	1.52
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	5	1.52
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	6	1.52
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	12	1.52
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	16	1.52
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	3	1.52
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	7	1.52
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	9	1.52
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	3	1.52
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	7	1.52
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	20	1.52
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	2	1.52
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	7	1.52
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	15	1.52
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	19	1.52
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	11	1.52
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	17	1.52
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	1	1.52
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	7	1.52
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	8	1.52
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	15	1.52
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	16	1.52
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	10	1.52
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	12	1.52
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	16	1.52
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	5	1.52
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	11	1.52
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	11	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	7	1.52
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	1	1.52
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	1	1.52
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	1	1.52
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	2	1.52
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	2	1.52
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	2	1.52
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	3	1.52
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	3	1.52
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	3	1.52
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	4	1.52
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	4	1.52
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	4	1.52
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	10	1.52
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	10	1.52
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	10	1.52
(2,2543)	1:11:A:GLN:HA	1:12:A:GLY:H	20	1.52
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	7	1.52
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	7	1.52
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	8	1.52
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	6	1.52
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	6	1.52
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	6	1.52
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	8	1.52
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	8	1.52
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	8	1.52
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	18	1.52
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	18	1.52
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	18	1.52
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	19	1.52
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	19	1.52
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	19	1.52
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	14	1.52
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	19	1.52
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	10	1.52
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	10	1.52
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	10	1.52
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	15	1.52
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	15	1.52
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	15	1.52
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	4	1.52
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	8	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	4	1.52
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	13	1.52
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	19	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	1	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	1	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	1	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	2	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	2	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	2	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	4	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	4	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	4	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	6	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	6	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	6	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	8	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	8	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	8	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	9	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	9	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	9	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	10	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	10	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	10	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	11	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	11	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	11	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	12	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	12	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	12	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	13	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	13	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	13	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	15	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	15	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	15	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	18	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	18	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	18	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	19	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	19	1.52
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	19	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	5	1.52
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	13	1.52
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	2	1.52
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	10	1.52
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	11	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	1	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	2	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	3	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	4	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	5	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	6	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	7	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	8	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	9	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	10	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	12	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	13	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	14	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	15	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	16	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	17	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	18	1.52
(2,2119)	1:25:A:SER:HB2	1:25:A:SER:HB3	19	1.52
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	12	1.52
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	4	1.52
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	4	1.52
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	4	1.52
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	11	1.52
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	11	1.52
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	11	1.52
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	15	1.52
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	15	1.52
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	15	1.52
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	16	1.52
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	16	1.52
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	16	1.52
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	1	1.52
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	2	1.52
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	17	1.52
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	15	1.52
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	12	1.52
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	16	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	20	1.52
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	19	1.52
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	10	1.52
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	10	1.52
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	10	1.52
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	17	1.52
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	17	1.52
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	17	1.52
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	10	1.52
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	10	1.52
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	10	1.52
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	10	1.52
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	14	1.52
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	14	1.52
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	14	1.52
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	15	1.52
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	16	1.52
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	13	1.52
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	3	1.52
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	3	1.52
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	3	1.52
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	11	1.52
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	11	1.52
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	11	1.52
(2,1601)	1:14:A:THR:HG21	1:14:A:THR:HA	16	1.52
(2,1601)	1:14:A:THR:HG22	1:14:A:THR:HA	16	1.52
(2,1601)	1:14:A:THR:HG23	1:14:A:THR:HA	16	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	1	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	3	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	4	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	5	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	6	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	8	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	9	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	10	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	12	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	14	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	15	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	16	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	17	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	19	1.52
(2,1579)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	20	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	8	1.52
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	3	1.52
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	3	1.52
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	3	1.52
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	4	1.52
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	4	1.52
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	4	1.52
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	16	1.52
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	16	1.52
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	16	1.52
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	1	1.52
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	1	1.52
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	18	1.52
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	17	1.52
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	17	1.52
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	17	1.52
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	19	1.52
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	19	1.52
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	19	1.52
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	17	1.52
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	13	1.52
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	13	1.52
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	13	1.52
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	15	1.52
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	15	1.52
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	15	1.52
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	18	1.52
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	18	1.52
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	18	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	1	1.52
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	1	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	1	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	2	1.52
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	2	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	2	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	3	1.52
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	3	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	3	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	4	1.52
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	4	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	4	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	5	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	5	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	5	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	7	1.52
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	7	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	7	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	9	1.52
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	9	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	9	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	12	1.52
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	12	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	12	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	13	1.52
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	13	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	13	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	15	1.52
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	15	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	15	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	17	1.52
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	17	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	17	1.52
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	19	1.52
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	19	1.52
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	19	1.52
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	5	1.52
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	9	1.52
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	10	1.52
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	13	1.52
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	16	1.52
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	17	1.52
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	19	1.52
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	16	1.52
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	12	1.52
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	14	1.52
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	20	1.52
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	3	1.52
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	11	1.52
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	11	1.52
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	11	1.52
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	12	1.52
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	12	1.52
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	12	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	2	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	2	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	2	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	3	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	3	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	3	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	4	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	4	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	4	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	5	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	5	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	5	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	6	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	6	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	6	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	7	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	7	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	7	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	8	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	8	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	8	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	9	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	9	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	9	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	10	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	10	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	10	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	11	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	11	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	11	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	12	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	12	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	12	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	13	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	13	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	13	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	14	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	14	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	14	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	16	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	16	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	16	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	17	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	17	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	17	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	18	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	18	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	18	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	19	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	19	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	19	1.52
(2,1210)	1:47:A:VAL:HG11	1:47:A:VAL:HB	20	1.52
(2,1210)	1:47:A:VAL:HG12	1:47:A:VAL:HB	20	1.52
(2,1210)	1:47:A:VAL:HG13	1:47:A:VAL:HB	20	1.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	17	1.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	17	1.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	17	1.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	17	1.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	17	1.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	17	1.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	17	1.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	17	1.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	17	1.52
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	4	1.52
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	9	1.52
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	19	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	1	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	2	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	3	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	4	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	5	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	6	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	7	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	12	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	14	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	15	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	18	1.52
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	20	1.52
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	1	1.52
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	1	1.52
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	1	1.52
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	2	1.52
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	2	1.52
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	2	1.52
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	7	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	7	1.52
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	7	1.52
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	15	1.52
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	15	1.52
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	15	1.52
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	9	1.52
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	1	1.52
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	2	1.52
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	4	1.52
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	8	1.52
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	9	1.52
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	17	1.52
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	18	1.52
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	6	1.52
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	8	1.52
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	14	1.52
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	16	1.52
(2,1007)	1:128:A:THR:HA	1:128:A:THR:HB	17	1.52
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	2	1.52
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	7	1.52
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	8	1.52
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	18	1.52
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	9	1.52
(2,917)	1:103:A:ARG:HG3	1:103:A:ARG:HE	18	1.52
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	5	1.52
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	5	1.52
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	5	1.52
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	13	1.52
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	18	1.52
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	16	1.52
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	3	1.52
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	4	1.52
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	7	1.52
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	10	1.52
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	13	1.52
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	14	1.52
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	17	1.52
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	19	1.52
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	20	1.52
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	11	1.52
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	6	1.52
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	20	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	1	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	1	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	1	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	4	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	4	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	4	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	8	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	8	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	8	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	9	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	9	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	9	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	10	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	10	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	10	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	12	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	12	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	12	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	15	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	15	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	15	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	16	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	16	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	16	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	19	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	19	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	19	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG21	20	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG22	20	1.52
(2,806)	1:91:A:THR:HB	1:91:A:THR:HG23	20	1.52
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	2	1.52
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	2	1.52
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	2	1.52
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB1	12	1.52
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB2	12	1.52
(2,756)	1:38:A:ALA:H	1:38:A:ALA:HB3	12	1.52
(2,703)	1:119:A:SER:H	1:119:A:SER:HA	14	1.52
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	1	1.52
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	2	1.52
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	5	1.52
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	8	1.52
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	9	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	12	1.52
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	14	1.52
(2,615)	1:110:A:PRO:HG3	1:110:A:PRO:HB3	15	1.52
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	11	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	2	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	2	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	2	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	4	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	4	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	4	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	5	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	5	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	5	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	9	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	9	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	9	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	11	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	11	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	11	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	14	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	14	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	14	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	17	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	17	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	17	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	19	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	19	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	19	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	20	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	20	1.52
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	20	1.52
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	9	1.52
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	7	1.52
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	9	1.52
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	11	1.52
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	13	1.52
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	15	1.52
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	9	1.52
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	9	1.52
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	9	1.52
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	20	1.52
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	20	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	20	1.52
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	17	1.52
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	19	1.52
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	20	1.52
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	6	1.52
(2,397)	1:118:A:LEU:HA	1:119:A:SER:H	7	1.52
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	15	1.52
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	15	1.52
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	15	1.52
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	7	1.52
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	4	1.52
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	7	1.52
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	17	1.52
(2,358)	1:105:A:ARG:H	1:105:A:ARG:HA	19	1.52
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	20	1.52
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	3	1.52
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	10	1.52
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	17	1.52
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	19	1.52
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	6	1.52
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	2	1.52
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	2	1.52
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	2	1.52
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	3	1.52
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	3	1.52
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	3	1.52
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	4	1.52
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	4	1.52
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	4	1.52
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	5	1.52
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	5	1.52
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	5	1.52
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	10	1.52
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	10	1.52
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	10	1.52
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	17	1.52
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	17	1.52
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	17	1.52
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	18	1.52
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	18	1.52
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	18	1.52
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	19	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	19	1.52
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	19	1.52
(2,185)	1:99:A:TYR:HA	1:100:A:ILE:H	14	1.52
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	8	1.52
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	5	1.52
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	9	1.52
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	9	1.52
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	9	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	3	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	3	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	3	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	5	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	5	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	5	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	8	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	8	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	8	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	13	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	13	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	13	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	16	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	16	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	16	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	17	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	17	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	17	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	19	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	19	1.52
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	19	1.52
(2,132)	1:77:A:ARG:HG2	1:77:A:ARG:HA	4	1.52
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	18	1.52
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	4	1.52
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	7	1.52
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	11	1.52
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	16	1.52
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	18	1.52
(2,124)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	20	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	1	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	1	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	1	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	1	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	1	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	1	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	1	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	1	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	1	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	2	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	2	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	2	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	2	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	2	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	2	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	2	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	2	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	2	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	10	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	10	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	10	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	10	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	10	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	10	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	10	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	10	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	10	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	12	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	12	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	12	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	12	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	12	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	12	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	12	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	12	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	12	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	14	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	14	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	14	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	14	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	14	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	14	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	14	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	14	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	14	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	15	1.52
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	15	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	15	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	15	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	15	1.52
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	15	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	15	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	15	1.52
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	15	1.52
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	16	1.52
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	20	1.52
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	10	1.52
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	1	1.52
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	9	1.52
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	9	1.52
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	9	1.52
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	13	1.52
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	13	1.52
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	13	1.52
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	7	1.52
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	2	1.52
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	3	1.52
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	4	1.52
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	5	1.52
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	12	1.52
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	13	1.52
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	15	1.52
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	16	1.52
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	19	1.52
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	15	1.51
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	5	1.51
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	18	1.51
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	8	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	1	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	1	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	1	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	1	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	2	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	2	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	2	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	2	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	3	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	3	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	3	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	3	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	4	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	4	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	4	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	4	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	5	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	5	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	5	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	5	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	6	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	6	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	6	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	6	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	7	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	7	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	7	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	7	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	8	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	8	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	8	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	8	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	9	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	9	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	9	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	9	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	10	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	10	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	10	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	10	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	11	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	11	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	11	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	11	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	12	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	12	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	12	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	12	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	13	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	13	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	13	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	13	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	14	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	14	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	14	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	14	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	15	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	15	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	15	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	15	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	16	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	16	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	16	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	16	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	17	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	17	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	17	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	17	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	18	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	18	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	18	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	18	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	19	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	19	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	19	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	19	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	20	1.51
(3,52)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	20	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	20	1.51
(3,52)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	20	1.51
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	1	1.51
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	10	1.51
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	3	1.51
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	9	1.51
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	19	1.51
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	20	1.51
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	5	1.51
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	6	1.51
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	8	1.51
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	14	1.51
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	15	1.51
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	9	1.51
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	17	1.51
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	11	1.51
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	17	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	12	1.51
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	12	1.51
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	12	1.51
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	1	1.51
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	6	1.51
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	11	1.51
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	13	1.51
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	16	1.51
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	4	1.51
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	17	1.51
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	19	1.51
(2,2890)	1:11:A:GLN:HB2	1:11:A:GLN:H	6	1.51
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	11	1.51
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	14	1.51
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	20	1.51
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	16	1.51
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	16	1.51
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	16	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	1	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	2	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	3	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	4	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	5	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	6	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	7	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	8	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	9	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	10	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	11	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	12	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	13	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	14	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	15	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	16	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	17	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	18	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	19	1.51
(2,2783)	1:36:A:LEU:HB2	1:36:A:LEU:HB3	20	1.51
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	3	1.51
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	6	1.51
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	6	1.51
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	6	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2692)	1:156:A:ILE:HD11	1:156:A:ILE:H	8	1.51
(2,2692)	1:156:A:ILE:HD12	1:156:A:ILE:H	8	1.51
(2,2692)	1:156:A:ILE:HD13	1:156:A:ILE:H	8	1.51
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	5	1.51
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	16	1.51
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	4	1.51
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	17	1.51
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	19	1.51
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	12	1.51
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	9	1.51
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	14	1.51
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	2	1.51
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	2	1.51
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	2	1.51
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	20	1.51
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	20	1.51
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	20	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	1	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	1	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	1	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	2	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	2	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	2	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	3	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	3	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	3	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	4	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	4	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	4	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	5	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	5	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	5	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	6	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	6	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	6	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	7	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	7	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	7	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	11	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	11	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	11	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	13	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	13	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	13	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	14	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	14	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	14	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	17	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	17	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	17	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	18	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	18	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	18	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	19	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	19	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	19	1.51
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	20	1.51
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	20	1.51
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	20	1.51
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	2	1.51
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	10	1.51
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	19	1.51
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	1	1.51
(2,2381)	1:65:A:ILE:HG21	1:65:A:ILE:HG13	17	1.51
(2,2381)	1:65:A:ILE:HG22	1:65:A:ILE:HG13	17	1.51
(2,2381)	1:65:A:ILE:HG23	1:65:A:ILE:HG13	17	1.51
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	6	1.51
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	8	1.51
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	15	1.51
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	8	1.51
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	8	1.51
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	8	1.51
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	20	1.51
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	20	1.51
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	20	1.51
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	3	1.51
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	5	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	3	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	3	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	3	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	5	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	5	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	5	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	7	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	7	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	7	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	14	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	14	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	14	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	16	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	16	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	16	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	17	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	17	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	17	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG21	20	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG22	20	1.51
(2,2252)	1:81:A:THR:HB	1:81:A:THR:HG23	20	1.51
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	9	1.51
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	10	1.51
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	14	1.51
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	16	1.51
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	18	1.51
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	1	1.51
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	3	1.51
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	5	1.51
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	7	1.51
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	8	1.51
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	9	1.51
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	13	1.51
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	17	1.51
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	19	1.51
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD11	8	1.51
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD12	8	1.51
(2,2177)	1:19:A:ALA:HB1	1:24:A:ILE:HD13	8	1.51
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD11	8	1.51
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD12	8	1.51
(2,2177)	1:19:A:ALA:HB2	1:24:A:ILE:HD13	8	1.51
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD11	8	1.51
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD12	8	1.51
(2,2177)	1:19:A:ALA:HB3	1:24:A:ILE:HD13	8	1.51
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	6	1.51
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	13	1.51
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	10	1.51
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	7	1.51
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	7	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	7	1.51
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	11	1.51
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	11	1.51
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	11	1.51
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	6	1.51
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	9	1.51
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	18	1.51
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	18	1.51
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	18	1.51
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	18	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	1	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	1	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	1	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	2	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	2	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	2	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	3	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	3	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	3	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	4	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	4	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	4	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	5	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	5	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	5	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	7	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	7	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	7	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	11	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	11	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	11	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	12	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	12	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	12	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	13	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	13	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	13	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	14	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	14	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	14	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	15	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	15	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	15	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	17	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	17	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	17	1.51
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	19	1.51
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	19	1.51
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	19	1.51
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	2	1.51
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	2	1.51
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	2	1.51
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	17	1.51
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	17	1.51
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	17	1.51
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	19	1.51
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	19	1.51
(2,1956)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	19	1.51
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	1	1.51
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	2	1.51
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	2	1.51
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	2	1.51
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	10	1.51
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	11	1.51
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	3	1.51
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	14	1.51
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	13	1.51
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	16	1.51
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	17	1.51
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	1	1.51
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	9	1.51
(2,1616)	1:21:A:ASP:HB2	1:22:A:PHE:H	19	1.51
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	6	1.51
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	11	1.51
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	15	1.51
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	20	1.51
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	20	1.51
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	20	1.51
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	14	1.51
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	20	1.51
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	4	1.51
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	6	1.51
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	6	1.51
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	6	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	8	1.51
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	8	1.51
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	8	1.51
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	13	1.51
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	13	1.51
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	13	1.51
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	14	1.51
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	14	1.51
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	14	1.51
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	4	1.51
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	16	1.51
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	19	1.51
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	20	1.51
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	20	1.51
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	20	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	1	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	2	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	3	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	4	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	5	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	6	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	7	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	8	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	9	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	10	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	11	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	12	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	13	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	14	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	15	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	16	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	17	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	18	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	19	1.51
(2,1424)	1:158:A:PRO:HG2	1:158:A:PRO:HG3	20	1.51
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	6	1.51
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	6	1.51
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	6	1.51
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	8	1.51
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	8	1.51
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	8	1.51
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	10	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	10	1.51
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	10	1.51
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	11	1.51
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	11	1.51
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	11	1.51
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	14	1.51
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	14	1.51
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	14	1.51
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	16	1.51
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	16	1.51
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	16	1.51
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	18	1.51
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	18	1.51
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	18	1.51
(2,1421)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	20	1.51
(2,1421)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	20	1.51
(2,1421)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	20	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	1	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	2	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	3	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	4	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	6	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	7	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	8	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	11	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	12	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	14	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	15	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	18	1.51
(2,1402)	1:57:A:ILE:HG12	1:57:A:ILE:HG13	20	1.51
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	6	1.51
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	6	1.51
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	6	1.51
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	12	1.51
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	12	1.51
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	12	1.51
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	8	1.51
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	4	1.51
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	5	1.51
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	13	1.51
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	17	1.51
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	20	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	3	1.51
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	4	1.51
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	10	1.51
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	13	1.51
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	18	1.51
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	13	1.51
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	2	1.51
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	4	1.51
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	6	1.51
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	8	1.51
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	9	1.51
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	10	1.51
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	11	1.51
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	14	1.51
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	17	1.51
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	8	1.51
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	12	1.51
(2,1176)	1:152:A:GLU:H	1:151:A:ILE:HB	1	1.51
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	17	1.51
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	19	1.51
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	8	1.51
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	9	1.51
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	10	1.51
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	11	1.51
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	13	1.51
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	16	1.51
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	17	1.51
(2,1105)	1:59:A:TYR:HB2	1:59:A:TYR:HA	19	1.51
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	6	1.51
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	6	1.51
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	6	1.51
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	1	1.51
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	1	1.51
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	1	1.51
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	6	1.51
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	6	1.51
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	6	1.51
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	14	1.51
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	14	1.51
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	14	1.51
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	18	1.51
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	18	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	18	1.51
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	8	1.51
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	8	1.51
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	8	1.51
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	9	1.51
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	9	1.51
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	9	1.51
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	14	1.51
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	14	1.51
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	14	1.51
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	14	1.51
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	15	1.51
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	3	1.51
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	19	1.51
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	3	1.51
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	10	1.51
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	11	1.51
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	13	1.51
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	16	1.51
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	20	1.51
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	1	1.51
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	2	1.51
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	2	1.51
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	2	1.51
(2,897)	1:21:A:ASP:HA	1:21:A:ASP:HB3	19	1.51
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	6	1.51
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	14	1.51
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	14	1.51
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	14	1.51
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	10	1.51
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	10	1.51
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	19	1.51
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	19	1.51
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	1	1.51
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	7	1.51
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	9	1.51
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	19	1.51
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	1	1.51
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	2	1.51
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	5	1.51
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	8	1.51
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	9	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	11	1.51
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	12	1.51
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	15	1.51
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	16	1.51
(2,843)	1:157:A:VAL:HA	1:157:A:VAL:H	18	1.51
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	19	1.51
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	20	1.51
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	3	1.51
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	5	1.51
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	6	1.51
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	7	1.51
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	17	1.51
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	9	1.51
(2,747)	1:144:A:ARG:HA	1:145:A:MET:H	3	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	1	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	1	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	1	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	2	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	2	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	2	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	3	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	3	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	3	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	4	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	4	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	4	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	5	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	5	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	5	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	6	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	6	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	6	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	7	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	7	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	7	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	8	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	8	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	8	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	9	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	9	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	9	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	10	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	10	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	10	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	11	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	11	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	11	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	12	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	12	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	12	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	13	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	13	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	13	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	14	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	14	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	14	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	15	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	15	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	15	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	16	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	16	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	16	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	17	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	17	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	17	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	18	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	18	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	18	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	19	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	19	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	19	1.51
(2,739)	1:41:A:THR:HG21	1:41:A:THR:HB	20	1.51
(2,739)	1:41:A:THR:HG22	1:41:A:THR:HB	20	1.51
(2,739)	1:41:A:THR:HG23	1:41:A:THR:HB	20	1.51
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	16	1.51
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	16	1.51
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	16	1.51
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	13	1.51
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	19	1.51
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	8	1.51
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	11	1.51
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	19	1.51
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	20	1.51
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	10	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	10	1.51
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	10	1.51
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	15	1.51
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	15	1.51
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	15	1.51
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	16	1.51
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	16	1.51
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	16	1.51
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	19	1.51
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	8	1.51
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	14	1.51
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	20	1.51
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	9	1.51
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	13	1.51
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	20	1.51
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	13	1.51
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	1	1.51
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	1	1.51
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	1	1.51
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	5	1.51
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	5	1.51
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	5	1.51
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	1	1.51
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	3	1.51
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	6	1.51
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	8	1.51
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	10	1.51
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	17	1.51
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	18	1.51
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	12	1.51
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	14	1.51
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	2	1.51
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	9	1.51
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	6	1.51
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	6	1.51
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	6	1.51
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	7	1.51
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	7	1.51
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	7	1.51
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	8	1.51
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	8	1.51
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	8	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	11	1.51
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	11	1.51
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	11	1.51
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	12	1.51
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	12	1.51
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	12	1.51
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	13	1.51
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	13	1.51
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	13	1.51
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	14	1.51
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	14	1.51
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	14	1.51
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	20	1.51
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	20	1.51
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	20	1.51
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	13	1.51
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	17	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	1	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	1	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	1	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	2	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	2	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	2	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	4	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	4	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	4	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	6	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	6	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	6	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	7	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	7	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	7	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	9	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	9	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	9	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	10	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	10	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	10	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	11	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	11	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	11	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	12	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	12	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	12	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	14	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	14	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	14	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	15	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	15	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	15	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	18	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	18	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	18	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB1	20	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB2	20	1.51
(2,153)	1:67:A:ALA:HA	1:67:A:ALA:HB3	20	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	4	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	4	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	4	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	4	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	4	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	4	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	4	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	4	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	4	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	5	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	5	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	5	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	5	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	5	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	5	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	5	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	5	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	5	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	8	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	8	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	8	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	8	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	8	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	8	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	8	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	8	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	8	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	11	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	11	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	11	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	11	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	11	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	11	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	11	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	11	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	11	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	17	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	17	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	17	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	17	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	17	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	17	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	17	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	17	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	17	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	18	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	18	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	18	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	18	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	18	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	18	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	18	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	18	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	18	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	19	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	19	1.51
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	19	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	19	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	19	1.51
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	19	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	19	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	19	1.51
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	19	1.51
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	6	1.51
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	7	1.51
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	10	1.51
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	10	1.51
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	10	1.51
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	15	1.51
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	15	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	15	1.51
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	16	1.51
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	16	1.51
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	16	1.51
(1,10)	1:141:A:GLY:HA2	1:142:A:CYS:H	17	1.51
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	2	1.5
(4,1484)	1:116:A:LEU:HD21	1:116:A:LEU:H	6	1.5
(4,1484)	1:116:A:LEU:HD22	1:116:A:LEU:H	6	1.5
(4,1484)	1:116:A:LEU:HD23	1:116:A:LEU:H	6	1.5
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	17	1.5
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	20	1.5
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	13	1.5
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	20	1.5
(4,37)	1:138:A:VAL:HG21	1:138:A:VAL:H	11	1.5
(4,37)	1:138:A:VAL:HG22	1:138:A:VAL:H	11	1.5
(4,37)	1:138:A:VAL:HG23	1:138:A:VAL:H	11	1.5
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	17	1.5
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	17	1.5
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	4	1.5
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	4	1.5
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	9	1.5
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	9	1.5
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	13	1.5
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	13	1.5
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	17	1.5
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	17	1.5
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	18	1.5
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	18	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	2	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	3	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	4	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	5	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	6	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	7	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	8	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	9	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	11	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	13	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	14	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	15	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	16	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	17	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	18	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	19	1.5
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	20	1.5
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	3	1.5
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	1	1.5
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	1	1.5
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	1	1.5
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	12	1.5
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	3	1.5
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	3	1.5
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	3	1.5
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	12	1.5
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	2	1.5
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	12	1.5
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	16	1.5
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	4	1.5
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	9	1.5
(2,3034)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	15	1.5
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	1	1.5
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	8	1.5
(2,3009)	1:24:A:ILE:HG13	1:24:A:ILE:H	16	1.5
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	15	1.5
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	19	1.5
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	19	1.5
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	19	1.5
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	9	1.5
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	14	1.5
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	7	1.5
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	2	1.5
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	9	1.5
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	10	1.5
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	4	1.5
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	4	1.5
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	4	1.5
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	8	1.5
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	8	1.5
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	8	1.5
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	19	1.5
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	15	1.5
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	17	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	1	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	3	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	4	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	6	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	7	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	8	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	9	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	10	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	11	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	12	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	13	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	14	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	15	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	17	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	18	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	19	1.5
(2,2659)	1:103:A:ARG:HA	1:103:A:ARG:H	20	1.5
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	6	1.5
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	7	1.5
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	20	1.5
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	8	1.5
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	9	1.5
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	14	1.5
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	14	1.5
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	14	1.5
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	15	1.5
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	8	1.5
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	8	1.5
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	8	1.5
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	9	1.5
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	9	1.5
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	9	1.5
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	12	1.5
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	12	1.5
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	12	1.5
(2,2498)	1:30:A:LEU:HD21	1:30:A:LEU:HG	16	1.5
(2,2498)	1:30:A:LEU:HD22	1:30:A:LEU:HG	16	1.5
(2,2498)	1:30:A:LEU:HD23	1:30:A:LEU:HG	16	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	1	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	2	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	3	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	4	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	5	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	6	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	7	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	8	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	9	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	10	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	11	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	12	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	13	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	14	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	15	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	16	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	17	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	18	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	19	1.5
(2,2482)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	20	1.5
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	19	1.5
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	12	1.5
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	19	1.5
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	19	1.5
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	19	1.5
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	20	1.5
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	20	1.5
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	20	1.5
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	1	1.5
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	5	1.5
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	13	1.5
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	16	1.5
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	20	1.5
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	1	1.5
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	2	1.5
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	4	1.5
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	6	1.5
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	15	1.5
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	12	1.5
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	4	1.5
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	4	1.5
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	4	1.5
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	4	1.5
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	4	1.5
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	4	1.5
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	12	1.5
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	12	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	12	1.5
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	17	1.5
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	17	1.5
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	17	1.5
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	3	1.5
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	4	1.5
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	13	1.5
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	14	1.5
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	17	1.5
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	20	1.5
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	4	1.5
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	4	1.5
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	4	1.5
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	20	1.5
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	20	1.5
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	20	1.5
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	1	1.5
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	9	1.5
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	6	1.5
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	6	1.5
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	6	1.5
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	8	1.5
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	8	1.5
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	8	1.5
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	9	1.5
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	9	1.5
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	9	1.5
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	10	1.5
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	10	1.5
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	10	1.5
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	16	1.5
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	16	1.5
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	16	1.5
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	18	1.5
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	18	1.5
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	18	1.5
(2,1979)	1:24:A:ILE:HD11	1:24:A:ILE:HG13	20	1.5
(2,1979)	1:24:A:ILE:HD12	1:24:A:ILE:HG13	20	1.5
(2,1979)	1:24:A:ILE:HD13	1:24:A:ILE:HG13	20	1.5
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	18	1.5
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	5	1.5
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	5	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	5	1.5
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	7	1.5
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	7	1.5
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	7	1.5
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	19	1.5
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	19	1.5
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	19	1.5
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	2	1.5
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	14	1.5
(2,1867)	1:5:A:LEU:HG	1:5:A:LEU:HA	10	1.5
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	8	1.5
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	19	1.5
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	19	1.5
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	19	1.5
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	20	1.5
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	8	1.5
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	14	1.5
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	2	1.5
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	3	1.5
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	8	1.5
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	19	1.5
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	19	1.5
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	19	1.5
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	7	1.5
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	3	1.5
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	5	1.5
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	10	1.5
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	19	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	1	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	2	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	3	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	5	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	6	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	7	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	8	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	9	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	10	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	11	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	12	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	13	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	14	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	15	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	16	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	17	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	18	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	19	1.5
(2,1526)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	20	1.5
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	10	1.5
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	11	1.5
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	6	1.5
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	6	1.5
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	6	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	2	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	2	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	2	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	3	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	3	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	3	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	4	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	4	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	4	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	5	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	5	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	5	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	7	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	7	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	7	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	9	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	9	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	9	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	10	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	10	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	10	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	12	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	12	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	12	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	15	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	15	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	15	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	16	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	16	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	16	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	17	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	17	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	17	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	18	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	18	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	18	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	19	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	19	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	19	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	20	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	20	1.5
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	20	1.5
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	18	1.5
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	20	1.5
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	4	1.5
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	4	1.5
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	4	1.5
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	10	1.5
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	10	1.5
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	10	1.5
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	16	1.5
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	16	1.5
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	16	1.5
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	1	1.5
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	1	1.5
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	1	1.5
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	6	1.5
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	1	1.5
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	5	1.5
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	2	1.5
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	6	1.5
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	9	1.5
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	10	1.5
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	12	1.5
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	14	1.5
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	11	1.5
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	20	1.5
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	1	1.5
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	2	1.5
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	4	1.5
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	1	1.5
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	5	1.5
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	12	1.5
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	13	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	16	1.5
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	9	1.5
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	20	1.5
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	2	1.5
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	2	1.5
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	2	1.5
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	4	1.5
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	4	1.5
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	4	1.5
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	7	1.5
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	7	1.5
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	7	1.5
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	11	1.5
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	11	1.5
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	11	1.5
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	12	1.5
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	12	1.5
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	12	1.5
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	16	1.5
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	16	1.5
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	16	1.5
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	19	1.5
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	19	1.5
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	19	1.5
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	6	1.5
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	6	1.5
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	6	1.5
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	10	1.5
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	10	1.5
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	10	1.5
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	18	1.5
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	18	1.5
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	18	1.5
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	19	1.5
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	19	1.5
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	19	1.5
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	3	1.5
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	6	1.5
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	4	1.5
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	4	1.5
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	6	1.5
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	19	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,977)	1:77:A:ARG:HG2	1:78:A:VAL:H	16	1.5
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	15	1.5
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	1	1.5
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	8	1.5
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	15	1.5
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	1	1.5
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	1	1.5
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	1	1.5
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	3	1.5
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	3	1.5
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	3	1.5
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	10	1.5
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	10	1.5
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	10	1.5
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	12	1.5
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	12	1.5
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	12	1.5
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	2	1.5
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	2	1.5
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	4	1.5
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	4	1.5
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	12	1.5
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	12	1.5
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	20	1.5
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	20	1.5
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	2	1.5
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	1	1.5
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	1	1.5
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	1	1.5
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	2	1.5
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	3	1.5
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	7	1.5
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	11	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	1	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	2	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	4	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	8	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	9	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	10	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	11	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	13	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	14	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	15	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	18	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	19	1.5
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	20	1.5
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	8	1.5
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	12	1.5
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	5	1.5
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	17	1.5
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	19	1.5
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	4	1.5
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	4	1.5
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	4	1.5
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	5	1.5
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	5	1.5
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	5	1.5
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	12	1.5
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	12	1.5
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	12	1.5
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	18	1.5
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	18	1.5
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	18	1.5
(2,585)	1:151:A:ILE:HG13	1:151:A:ILE:HA	17	1.5
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	1	1.5
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	3	1.5
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	5	1.5
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	17	1.5
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	2	1.5
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	4	1.5
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	12	1.5
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	14	1.5
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	16	1.5
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	19	1.5
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	7	1.5
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	12	1.5
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	2	1.5
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	2	1.5
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	2	1.5
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	4	1.5
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	5	1.5
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	12	1.5
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	13	1.5
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	16	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	1	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	3	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	4	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	5	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	6	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	8	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	9	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	10	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	11	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	12	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	13	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	14	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	15	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	16	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	17	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	18	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	19	1.5
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	20	1.5
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	5	1.5
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	12	1.5
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	2	1.5
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	6	1.5
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	7	1.5
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	8	1.5
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	9	1.5
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	13	1.5
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	15	1.5
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	16	1.5
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	3	1.5
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	5	1.5
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	6	1.5
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	7	1.5
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	8	1.5
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	9	1.5
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	10	1.5
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	11	1.5
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	13	1.5
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	14	1.5
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	15	1.5
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	14	1.5
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	17	1.5
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	8	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	9	1.5
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	9	1.5
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	9	1.5
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	15	1.5
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	15	1.5
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	15	1.5
(2,252)	1:46:A:ILE:HG21	1:46:A:ILE:HB	16	1.5
(2,252)	1:46:A:ILE:HG22	1:46:A:ILE:HB	16	1.5
(2,252)	1:46:A:ILE:HG23	1:46:A:ILE:HB	16	1.5
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	5	1.5
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	2	1.5
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	3	1.5
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	9	1.5
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	10	1.5
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	19	1.5
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	11	1.5
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	18	1.5
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	18	1.5
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	18	1.5
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	20	1.5
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	20	1.5
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	20	1.5
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	1	1.5
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	11	1.5
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	20	1.5
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	20	1.5
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	20	1.5
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	20	1.5
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	20	1.5
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	20	1.5
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	20	1.5
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	20	1.5
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	20	1.5
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	9	1.5
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	9	1.5
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	9	1.5
(2,100)	1:131:A:PRO:HG2	1:132:A:ALA:H	3	1.5
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	6	1.5
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	9	1.5
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	10	1.5
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	3	1.5
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	4	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	17	1.5
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	13	1.5
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	7	1.49
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	4	1.49
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	10	1.49
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	20	1.49
(2,3208)	1:107:A:PRO:HB3	1:107:A:PRO:HA	12	1.49
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	8	1.49
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	8	1.49
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	8	1.49
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	16	1.49
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	1	1.49
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	2	1.49
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	3	1.49
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	4	1.49
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	6	1.49
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	7	1.49
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	9	1.49
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	13	1.49
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	15	1.49
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	18	1.49
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	8	1.49
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	8	1.49
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	8	1.49
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	20	1.49
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	20	1.49
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	20	1.49
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	4	1.49
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	8	1.49
(2,2956)	1:66:A:GLY:HA3	1:67:A:ALA:H	20	1.49
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	20	1.49
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	1	1.49
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	5	1.49
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	5	1.49
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	5	1.49
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	17	1.49
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	17	1.49
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	17	1.49
(2,2706)	1:53:A:ASP:HB2	1:53:A:ASP:H	11	1.49
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	3	1.49
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	16	1.49
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	8	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	9	1.49
(2,2529)	1:153:A:LEU:HD11	1:153:A:LEU:H	20	1.49
(2,2529)	1:153:A:LEU:HD12	1:153:A:LEU:H	20	1.49
(2,2529)	1:153:A:LEU:HD13	1:153:A:LEU:H	20	1.49
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	2	1.49
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	18	1.49
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	18	1.49
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	18	1.49
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	2	1.49
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	7	1.49
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	20	1.49
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	13	1.49
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	4	1.49
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	8	1.49
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	8	1.49
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	8	1.49
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	11	1.49
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	11	1.49
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	11	1.49
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	4	1.49
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	4	1.49
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	4	1.49
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD11	16	1.49
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD12	16	1.49
(2,2376)	1:151:A:ILE:HB	1:151:A:ILE:HD13	16	1.49
(2,2361)	1:103:A:ARG:HB3	1:104:A:GLN:H	2	1.49
(2,2349)	1:54:A:PRO:HD2	1:54:A:PRO:HB3	9	1.49
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	6	1.49
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	8	1.49
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	19	1.49
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	16	1.49
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	18	1.49
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	16	1.49
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	7	1.49
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	7	1.49
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	7	1.49
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	5	1.49
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	16	1.49
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	16	1.49
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	16	1.49
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	20	1.49
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	20	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	20	1.49
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	2	1.49
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	2	1.49
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	2	1.49
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	3	1.49
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	3	1.49
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	3	1.49
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	10	1.49
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	10	1.49
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	10	1.49
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	13	1.49
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	13	1.49
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	13	1.49
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	18	1.49
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	18	1.49
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	18	1.49
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	19	1.49
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	19	1.49
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	19	1.49
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	20	1.49
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	20	1.49
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	20	1.49
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	3	1.49
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	3	1.49
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	3	1.49
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	7	1.49
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	13	1.49
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	5	1.49
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	8	1.49
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	9	1.49
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	10	1.49
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	11	1.49
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	15	1.49
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	16	1.49
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	11	1.49
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	8	1.49
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	8	1.49
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	8	1.49
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	14	1.49
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	14	1.49
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	14	1.49
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	3	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	3	1.49
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	3	1.49
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	10	1.49
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	10	1.49
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	10	1.49
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	14	1.49
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	14	1.49
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	14	1.49
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	4	1.49
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	11	1.49
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	3	1.49
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	2	1.49
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	2	1.49
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	2	1.49
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	15	1.49
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	15	1.49
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	15	1.49
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	18	1.49
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	18	1.49
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	18	1.49
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	12	1.49
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	14	1.49
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	19	1.49
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	3	1.49
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	17	1.49
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	20	1.49
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	1	1.49
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	15	1.49
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	13	1.49
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	13	1.49
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	13	1.49
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	11	1.49
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	11	1.49
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	11	1.49
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	2	1.49
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	8	1.49
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	11	1.49
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	2	1.49
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	13	1.49
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	15	1.49
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	17	1.49
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	18	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	14	1.49
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	16	1.49
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	19	1.49
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	5	1.49
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	5	1.49
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	5	1.49
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	12	1.49
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	12	1.49
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	12	1.49
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	1	1.49
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	1	1.49
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	1	1.49
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG21	11	1.49
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG22	11	1.49
(2,1478)	1:26:A:THR:HB	1:26:A:THR:HG23	11	1.49
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	1	1.49
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	5	1.49
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	7	1.49
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	10	1.49
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	11	1.49
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	12	1.49
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	13	1.49
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	14	1.49
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	9	1.49
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	9	1.49
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	9	1.49
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG21	8	1.49
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG22	8	1.49
(2,1363)	1:41:A:THR:HA	1:41:A:THR:HG23	8	1.49
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	1	1.49
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	5	1.49
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	6	1.49
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	9	1.49
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	13	1.49
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	15	1.49
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	15	1.49
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	15	1.49
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	15	1.49
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	3	1.49
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	7	1.49
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	8	1.49
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	15	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	18	1.49
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	19	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	1	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	2	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	3	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	4	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	5	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	6	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	7	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	8	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	9	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	10	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	12	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	13	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	14	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	15	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	16	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	17	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	18	1.49
(2,1308)	1:70:A:LEU:HB3	1:70:A:LEU:HA	19	1.49
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	6	1.49
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	7	1.49
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	8	1.49
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	15	1.49
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	3	1.49
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	11	1.49
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	7	1.49
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	14	1.49
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	7	1.49
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	18	1.49
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	19	1.49
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	20	1.49
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	13	1.49
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	15	1.49
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	5	1.49
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	19	1.49
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	9	1.49
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	19	1.49
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	8	1.49
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	8	1.49
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	8	1.49
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	10	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	10	1.49
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	10	1.49
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	13	1.49
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	13	1.49
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	13	1.49
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	15	1.49
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	15	1.49
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	15	1.49
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	20	1.49
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	20	1.49
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	20	1.49
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	11	1.49
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	11	1.49
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	11	1.49
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	12	1.49
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	12	1.49
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	12	1.49
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	4	1.49
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	19	1.49
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	5	1.49
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	17	1.49
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	1	1.49
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	1	1.49
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	1	1.49
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	2	1.49
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	2	1.49
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	2	1.49
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	9	1.49
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	11	1.49
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	14	1.49
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	20	1.49
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	17	1.49
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	17	1.49
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	17	1.49
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	3	1.49
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	3	1.49
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	4	1.49
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	11	1.49
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	14	1.49
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	15	1.49
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	15	1.49
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	15	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	12	1.49
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	10	1.49
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	13	1.49
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	17	1.49
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	18	1.49
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	19	1.49
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	12	1.49
(2,831)	1:98:A:PHE:HB2	1:98:A:PHE:HA	16	1.49
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	14	1.49
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	1	1.49
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	6	1.49
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	6	1.49
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	6	1.49
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	8	1.49
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	8	1.49
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	8	1.49
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	10	1.49
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	10	1.49
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	10	1.49
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	15	1.49
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	15	1.49
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	15	1.49
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	19	1.49
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	19	1.49
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	19	1.49
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	20	1.49
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	20	1.49
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	20	1.49
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	7	1.49
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	9	1.49
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	13	1.49
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	6	1.49
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	6	1.49
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	6	1.49
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	17	1.49
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	17	1.49
(2,478)	1:65:A:ILE:H	1:65:A:ILE:HB	1	1.49
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	3	1.49
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	5	1.49
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	17	1.49
(2,409)	1:127:A:GLY:H	1:126:A:HIS:HA	16	1.49
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	18	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,389)	1:74:A:LEU:HB3	1:74:A:LEU:HG	19	1.49
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	2	1.49
(2,385)	1:85:A:ALA:HA	1:85:A:ALA:H	7	1.49
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	8	1.49
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	20	1.49
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	1	1.49
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	2	1.49
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	4	1.49
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	18	1.49
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	19	1.49
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	1	1.49
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	7	1.49
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	8	1.49
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	11	1.49
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	12	1.49
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	16	1.49
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	18	1.49
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	20	1.49
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	9	1.49
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	9	1.49
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	9	1.49
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	9	1.49
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	15	1.49
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	15	1.49
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	15	1.49
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	4	1.49
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	4	1.49
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	4	1.49
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	5	1.49
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	5	1.49
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	5	1.49
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	12	1.49
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	12	1.49
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	12	1.49
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	15	1.49
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	15	1.49
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	15	1.49
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	19	1.49
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	19	1.49
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	19	1.49
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	5	1.49
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD21	6	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD22	6	1.49
(2,109)	1:116:A:LEU:HD11	1:116:A:LEU:HD23	6	1.49
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD21	6	1.49
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD22	6	1.49
(2,109)	1:116:A:LEU:HD12	1:116:A:LEU:HD23	6	1.49
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD21	6	1.49
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD22	6	1.49
(2,109)	1:116:A:LEU:HD13	1:116:A:LEU:HD23	6	1.49
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	12	1.49
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	12	1.49
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	12	1.49
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	16	1.49
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	16	1.49
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	16	1.49
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	17	1.49
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	17	1.49
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	17	1.49
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	3	1.49
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	8	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	1	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	2	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	3	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	5	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	6	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	7	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	8	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	9	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	10	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	11	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	12	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	14	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	15	1.49
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	18	1.49
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	1	1.48
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	9	1.48
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	11	1.48
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	11	1.48
(4,379)	1:153:A:LEU:HD11	1:153:A:LEU:H	13	1.48
(4,379)	1:153:A:LEU:HD12	1:153:A:LEU:H	13	1.48
(4,379)	1:153:A:LEU:HD13	1:153:A:LEU:H	13	1.48
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	15	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	1	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	4	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	5	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	6	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	7	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	9	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	10	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	11	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	13	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	14	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	15	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	17	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	18	1.48
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	19	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	2	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	2	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	2	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	3	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	3	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	3	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	4	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	4	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	4	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	5	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	5	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	5	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	6	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	6	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	6	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	7	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	7	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	7	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	9	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	9	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	9	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	10	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	10	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	10	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	11	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	11	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	11	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	12	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	12	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	12	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	13	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	13	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	13	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	14	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	14	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	14	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	15	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	15	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	15	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	16	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	16	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	16	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	17	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	17	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	17	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	18	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	18	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	18	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	19	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	19	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	19	1.48
(2,3186)	1:47:A:VAL:HG21	1:47:A:VAL:HB	20	1.48
(2,3186)	1:47:A:VAL:HG22	1:47:A:VAL:HB	20	1.48
(2,3186)	1:47:A:VAL:HG23	1:47:A:VAL:HB	20	1.48
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	8	1.48
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	11	1.48
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	10	1.48
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	11	1.48
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	19	1.48
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	13	1.48
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	13	1.48
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	13	1.48
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	16	1.48
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	16	1.48
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	16	1.48
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	17	1.48
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	9	1.48
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	9	1.48
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	9	1.48
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	18	1.48
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	20	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	20	1.48
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	20	1.48
(2,2987)	1:70:A:LEU:HG	1:71:A:THR:H	14	1.48
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	19	1.48
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	2	1.48
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	6	1.48
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	8	1.48
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	18	1.48
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	9	1.48
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	9	1.48
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	9	1.48
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	20	1.48
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	2	1.48
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	8	1.48
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	14	1.48
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	15	1.48
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	13	1.48
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	5	1.48
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	15	1.48
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	1	1.48
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	3	1.48
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	7	1.48
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	10	1.48
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	15	1.48
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	16	1.48
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	9	1.48
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	9	1.48
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	9	1.48
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	16	1.48
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	16	1.48
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	16	1.48
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	17	1.48
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	5	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	1	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	1	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	1	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	2	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	2	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	2	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	3	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	3	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	3	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	4	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	4	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	4	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	5	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	5	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	5	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	6	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	6	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	6	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	7	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	7	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	7	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	8	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	8	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	8	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	9	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	9	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	9	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	10	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	10	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	10	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	11	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	11	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	11	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	12	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	12	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	12	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	13	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	13	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	13	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	14	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	14	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	14	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	15	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	15	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	15	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	16	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	16	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	16	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	17	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	17	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	17	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	18	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	18	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	18	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	19	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	19	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	19	1.48
(2,2421)	1:74:A:LEU:HD21	1:74:A:LEU:HG	20	1.48
(2,2421)	1:74:A:LEU:HD22	1:74:A:LEU:HG	20	1.48
(2,2421)	1:74:A:LEU:HD23	1:74:A:LEU:HG	20	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	1	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	1	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	1	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	2	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	2	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	2	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	4	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	4	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	4	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	5	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	5	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	5	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	6	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	6	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	6	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	7	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	7	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	7	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	9	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	9	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	9	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	10	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	10	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	10	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	12	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	12	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	12	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	13	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	13	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	13	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	14	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	14	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	14	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	15	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	15	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	15	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	16	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	16	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	16	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	17	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	17	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	17	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	18	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	18	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	18	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	19	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	19	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	19	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	20	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	20	1.48
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	20	1.48
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	6	1.48
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	6	1.48
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	6	1.48
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	17	1.48
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	14	1.48
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	20	1.48
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	11	1.48
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	6	1.48
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	6	1.48
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	6	1.48
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	1	1.48
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	1	1.48
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	1	1.48
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	6	1.48
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	6	1.48
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	6	1.48
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	15	1.48
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	15	1.48
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	15	1.48
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	17	1.48
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	2	1.48
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	6	1.48
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	19	1.48
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	20	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	10	1.48
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	10	1.48
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	10	1.48
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	5	1.48
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	8	1.48
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	5	1.48
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	9	1.48
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	11	1.48
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	14	1.48
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	19	1.48
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	20	1.48
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	3	1.48
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	10	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	1	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	1	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	1	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	12	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	12	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	12	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	15	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	15	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	15	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	17	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	17	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	17	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	20	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	20	1.48
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	20	1.48
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	17	1.48
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	4	1.48
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	1	1.48
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	3	1.48
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	4	1.48
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	6	1.48
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	7	1.48
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	14	1.48
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	15	1.48
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	16	1.48
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	18	1.48
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	13	1.48
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	7	1.48
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	1	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	1	1.48
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	1	1.48
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	13	1.48
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	13	1.48
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	13	1.48
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	4	1.48
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	19	1.48
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	20	1.48
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	13	1.48
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	13	1.48
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	13	1.48
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	11	1.48
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	12	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	2	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	3	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	4	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	5	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	6	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	7	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	8	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	9	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	11	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	12	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	13	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	14	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	16	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	17	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	18	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	19	1.48
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	20	1.48
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	8	1.48
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	11	1.48
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	7	1.48
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	3	1.48
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	3	1.48
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	3	1.48
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	17	1.48
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	17	1.48
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	17	1.48
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	4	1.48
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	7	1.48
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	8	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	12	1.48
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	7	1.48
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	9	1.48
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	12	1.48
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	13	1.48
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	2	1.48
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	3	1.48
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	8	1.48
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	9	1.48
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	15	1.48
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	2	1.48
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	2	1.48
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	2	1.48
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	17	1.48
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	17	1.48
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	17	1.48
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	4	1.48
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	7	1.48
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	8	1.48
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	11	1.48
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	16	1.48
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	17	1.48
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	18	1.48
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	19	1.48
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	1	1.48
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	4	1.48
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	11	1.48
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	13	1.48
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	12	1.48
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	1	1.48
(2,1316)	1:126:A:HIS:HD2	1:126:A:HIS:HB2	11	1.48
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	9	1.48
(2,1259)	1:156:A:ILE:HG13	1:156:A:ILE:HB	15	1.48
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	6	1.48
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	6	1.48
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	6	1.48
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	3	1.48
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	16	1.48
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	17	1.48
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	3	1.48
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	3	1.48
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	3	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	5	1.48
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	5	1.48
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	5	1.48
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	9	1.48
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	9	1.48
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	9	1.48
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	7	1.48
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	12	1.48
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	13	1.48
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	17	1.48
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	18	1.48
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	16	1.48
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	16	1.48
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	16	1.48
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	11	1.48
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	12	1.48
(2,1002)	1:71:A:THR:H	1:70:A:LEU:HA	14	1.48
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	6	1.48
(2,977)	1:77:A:ARG:HG2	1:78:A:VAL:H	13	1.48
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	4	1.48
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	17	1.48
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	9	1.48
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	4	1.48
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	6	1.48
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	7	1.48
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	15	1.48
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	16	1.48
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	11	1.48
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	11	1.48
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	14	1.48
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	14	1.48
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	18	1.48
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	18	1.48
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	6	1.48
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	4	1.48
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	15	1.48
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	7	1.48
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	11	1.48
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	1	1.48
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	1	1.48
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	1	1.48
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	7	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	7	1.48
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	7	1.48
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	14	1.48
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	14	1.48
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	14	1.48
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	17	1.48
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	17	1.48
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	17	1.48
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	16	1.48
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	20	1.48
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	1	1.48
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	3	1.48
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	5	1.48
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	8	1.48
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	9	1.48
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	10	1.48
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	12	1.48
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	7	1.48
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	9	1.48
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	12	1.48
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	14	1.48
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	1	1.48
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	1	1.48
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	1	1.48
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	12	1.48
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	12	1.48
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	12	1.48
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	1	1.48
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	2	1.48
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	7	1.48
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	11	1.48
(2,290)	1:9:A:VAL:HA	1:10:A:LYS:H	11	1.48
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	12	1.48
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	16	1.48
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	20	1.48
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	16	1.48
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	13	1.48
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	17	1.48
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	6	1.48
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	14	1.48
(2,182)	1:58:A:PRO:HB3	1:58:A:PRO:HA	15	1.48
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	3	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	5	1.48
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	5	1.48
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	5	1.48
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	12	1.48
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	12	1.48
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	12	1.48
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	14	1.48
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	14	1.48
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	14	1.48
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	16	1.48
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	16	1.48
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	16	1.48
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	17	1.48
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	17	1.48
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	17	1.48
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	19	1.48
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	19	1.48
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	19	1.48
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	20	1.48
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	20	1.48
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	20	1.48
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	2	1.48
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	7	1.48
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	16	1.48
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	8	1.48
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	8	1.48
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	8	1.48
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	14	1.48
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	14	1.48
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	14	1.48
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	4	1.48
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	12	1.48
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	15	1.48
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	3	1.48
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	3	1.48
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	3	1.48
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	11	1.48
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	11	1.48
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	11	1.48
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	19	1.48
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	19	1.48
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	19	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	11	1.48
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	9	1.48
(2,22)	1:162:A:ARG:HB2	1:162:A:ARG:HA	10	1.48
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	5	1.48
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	5	1.48
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	5	1.48
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	3	1.47
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	18	1.47
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	2	1.47
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	3	1.47
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	8	1.47
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	12	1.47
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	16	1.47
(2,3205)	1:84:A:ILE:HB	1:84:A:ILE:HA	20	1.47
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	7	1.47
(2,3160)	1:144:A:ARG:HD3	1:144:A:ARG:HB3	4	1.47
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	5	1.47
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	8	1.47
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	14	1.47
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	16	1.47
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	20	1.47
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	2	1.47
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	3	1.47
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	11	1.47
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	14	1.47
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	6	1.47
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	1	1.47
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	3	1.47
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	10	1.47
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	11	1.47
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	18	1.47
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	10	1.47
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	10	1.47
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	10	1.47
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	2	1.47
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	13	1.47
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	4	1.47
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	7	1.47
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	13	1.47
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	15	1.47
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	4	1.47
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	18	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	15	1.47
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	15	1.47
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	15	1.47
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	19	1.47
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	2	1.47
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	10	1.47
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	13	1.47
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	14	1.47
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	8	1.47
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	9	1.47
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	10	1.47
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	11	1.47
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	13	1.47
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	1	1.47
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	15	1.47
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	18	1.47
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	5	1.47
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	14	1.47
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	20	1.47
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	15	1.47
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	15	1.47
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	15	1.47
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	17	1.47
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	17	1.47
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	17	1.47
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	7	1.47
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	13	1.47
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	2	1.47
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	8	1.47
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	5	1.47
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	16	1.47
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	15	1.47
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	4	1.47
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	17	1.47
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD21	3	1.47
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD22	3	1.47
(2,2388)	1:70:A:LEU:HG	1:70:A:LEU:HD23	3	1.47
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	9	1.47
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	9	1.47
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	9	1.47
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	9	1.47
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	10	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	10	1.47
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	10	1.47
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	11	1.47
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	11	1.47
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	11	1.47
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	12	1.47
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	12	1.47
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	12	1.47
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	16	1.47
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	16	1.47
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	16	1.47
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	17	1.47
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	17	1.47
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	17	1.47
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	16	1.47
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	7	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	1	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	2	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	3	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	4	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	5	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	6	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	8	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	9	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	13	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	14	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	16	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	17	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	19	1.47
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	20	1.47
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	19	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	1	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	1	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	1	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	2	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	2	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	2	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	3	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	3	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	3	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	5	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	5	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	5	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	7	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	7	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	7	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	8	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	8	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	8	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	9	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	9	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	9	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	10	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	10	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	10	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	11	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	11	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	11	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	12	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	12	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	12	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	13	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	13	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	13	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	14	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	14	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	14	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	15	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	15	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	15	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	17	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	17	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	17	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	18	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	18	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	18	1.47
(2,2091)	1:113:A:ALA:HB1	1:113:A:ALA:HA	19	1.47
(2,2091)	1:113:A:ALA:HB2	1:113:A:ALA:HA	19	1.47
(2,2091)	1:113:A:ALA:HB3	1:113:A:ALA:HA	19	1.47
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	13	1.47
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	20	1.47
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	8	1.47
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	8	1.47
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	8	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	9	1.47
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	9	1.47
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	9	1.47
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	14	1.47
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	14	1.47
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	14	1.47
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	16	1.47
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	16	1.47
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	16	1.47
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	4	1.47
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	3	1.47
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	7	1.47
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	10	1.47
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	17	1.47
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	2	1.47
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	2	1.47
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	2	1.47
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	5	1.47
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	5	1.47
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	5	1.47
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	15	1.47
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	15	1.47
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	15	1.47
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	16	1.47
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	16	1.47
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	16	1.47
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	19	1.47
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	19	1.47
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	19	1.47
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	18	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	1	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	2	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	3	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	4	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	6	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	7	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	8	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	10	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	12	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	13	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	15	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	16	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	17	1.47
(2,1929)	1:52:A:PRO:HA	1:52:A:PRO:HB3	18	1.47
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	1	1.47
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	2	1.47
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	5	1.47
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	8	1.47
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	9	1.47
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	15	1.47
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	16	1.47
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	3	1.47
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	10	1.47
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	15	1.47
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	17	1.47
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	18	1.47
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	19	1.47
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	12	1.47
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	12	1.47
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	12	1.47
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	2	1.47
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	5	1.47
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	8	1.47
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	9	1.47
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	10	1.47
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	11	1.47
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	12	1.47
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	13	1.47
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	17	1.47
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	19	1.47
(2,1765)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	20	1.47
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	5	1.47
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	14	1.47
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	15	1.47
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	7	1.47
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	7	1.47
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	7	1.47
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	3	1.47
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	11	1.47
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	16	1.47
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	17	1.47
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	7	1.47
(2,1628)	1:59:A:TYR:HB2	1:59:A:TYR:HA	10	1.47
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	9	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	14	1.47
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	4	1.47
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	4	1.47
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	4	1.47
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	4	1.47
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	5	1.47
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	5	1.47
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	5	1.47
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	8	1.47
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	8	1.47
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	8	1.47
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	11	1.47
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	11	1.47
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	11	1.47
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	12	1.47
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	12	1.47
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	12	1.47
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	16	1.47
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	16	1.47
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	16	1.47
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	17	1.47
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	17	1.47
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	17	1.47
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	18	1.47
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	18	1.47
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	18	1.47
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	13	1.47
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	15	1.47
(2,1539)	1:159:A:ASN:HB3	1:159:A:ASN:HA	9	1.47
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	4	1.47
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	5	1.47
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	11	1.47
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	17	1.47
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	18	1.47
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	20	1.47
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	11	1.47
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	8	1.47
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	16	1.47
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	17	1.47
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	19	1.47
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	19	1.47
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	19	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	2	1.47
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	3	1.47
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	12	1.47
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	14	1.47
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	20	1.47
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	10	1.47
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	18	1.47
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	20	1.47
(2,1290)	1:63:A:VAL:HB	1:63:A:VAL:H	19	1.47
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	1	1.47
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	6	1.47
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	10	1.47
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	15	1.47
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	18	1.47
(2,1266)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	18	1.47
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	3	1.47
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	3	1.47
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	3	1.47
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	5	1.47
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	5	1.47
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	5	1.47
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	14	1.47
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	14	1.47
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	14	1.47
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	20	1.47
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	20	1.47
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	20	1.47
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	18	1.47
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	3	1.47
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	8	1.47
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	10	1.47
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	20	1.47
(2,1052)	1:67:A:ALA:HB1	1:67:A:ALA:H	17	1.47
(2,1052)	1:67:A:ALA:HB2	1:67:A:ALA:H	17	1.47
(2,1052)	1:67:A:ALA:HB3	1:67:A:ALA:H	17	1.47
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	3	1.47
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	3	1.47
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	3	1.47
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	8	1.47
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	17	1.47
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	6	1.47
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	12	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	18	1.47
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	9	1.47
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	9	1.47
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	9	1.47
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	11	1.47
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	10	1.47
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	10	1.47
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	10	1.47
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	15	1.47
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	15	1.47
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	15	1.47
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	2	1.47
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	12	1.47
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	13	1.47
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	18	1.47
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	19	1.47
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	16	1.47
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	7	1.47
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	7	1.47
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE1	17	1.47
(2,881)	1:55:A:TYR:HB3	1:55:A:TYR:HE2	17	1.47
(2,875)	1:84:A:ILE:H	1:83:A:PRO:HB2	5	1.47
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	18	1.47
(2,840)	1:30:A:LEU:HB2	1:30:A:LEU:H	1	1.47
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	2	1.47
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	4	1.47
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	16	1.47
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	17	1.47
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	17	1.47
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	16	1.47
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	3	1.47
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	3	1.47
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	3	1.47
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	9	1.47
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	9	1.47
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	9	1.47
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	11	1.47
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	11	1.47
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	11	1.47
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	13	1.47
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	13	1.47
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	13	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	2	1.47
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	6	1.47
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	15	1.47
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	2	1.47
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	4	1.47
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	15	1.47
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	16	1.47
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG21	8	1.47
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG22	8	1.47
(2,517)	1:41:A:THR:HA	1:41:A:THR:HG23	8	1.47
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	11	1.47
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	17	1.47
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	6	1.47
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	8	1.47
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	10	1.47
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	15	1.47
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	2	1.47
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	10	1.47
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	16	1.47
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	18	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	1	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	2	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	3	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	4	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	5	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	6	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	7	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	8	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	11	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	12	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	14	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	15	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	16	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	17	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	18	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	19	1.47
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	20	1.47
(2,268)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	14	1.47
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	8	1.47
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	19	1.47
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	1	1.47
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	10	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	1	1.47
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	1	1.47
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	1	1.47
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	3	1.47
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	3	1.47
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	3	1.47
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	4	1.47
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	4	1.47
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	4	1.47
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	13	1.47
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	13	1.47
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	13	1.47
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	18	1.47
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	18	1.47
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	18	1.47
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	3	1.47
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	4	1.47
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	10	1.47
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	11	1.47
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	13	1.47
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	15	1.47
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	18	1.47
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	20	1.47
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	7	1.47
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	7	1.47
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	7	1.47
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	1	1.47
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	1	1.47
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	1	1.47
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	2	1.47
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	2	1.47
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	2	1.47
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	5	1.47
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	5	1.47
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	5	1.47
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	7	1.47
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	7	1.47
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	7	1.47
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	8	1.47
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	8	1.47
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	8	1.47
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	15	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	15	1.47
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	15	1.47
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	5	1.47
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	9	1.47
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	8	1.47
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	12	1.47
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	19	1.47
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	6	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	1	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	2	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	3	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	4	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	5	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	6	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	7	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	9	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	10	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	11	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	12	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	13	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	14	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	15	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	16	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	19	1.47
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	20	1.47
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	15	1.46
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	6	1.46
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	6	1.46
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	6	1.46
(4,379)	1:153:A:LEU:HD11	1:153:A:LEU:H	5	1.46
(4,379)	1:153:A:LEU:HD12	1:153:A:LEU:H	5	1.46
(4,379)	1:153:A:LEU:HD13	1:153:A:LEU:H	5	1.46
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	2	1.46
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	11	1.46
(2,3152)	1:5:A:LEU:HD21	1:7:A:TYR:HA	13	1.46
(2,3152)	1:5:A:LEU:HD22	1:7:A:TYR:HA	13	1.46
(2,3152)	1:5:A:LEU:HD23	1:7:A:TYR:HA	13	1.46
(2,3148)	1:123:A:TYR:HB2	1:123:A:TYR:HA	17	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	1	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	1	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	1	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	2	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	2	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	2	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	4	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	4	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	4	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	7	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	7	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	7	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	15	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	15	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	15	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	18	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	18	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	18	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	20	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	20	1.46
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	20	1.46
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	5	1.46
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	6	1.46
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	7	1.46
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	10	1.46
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	12	1.46
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	15	1.46
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	18	1.46
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	19	1.46
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	20	1.46
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	12	1.46
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	19	1.46
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	6	1.46
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	12	1.46
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	14	1.46
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	15	1.46
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	17	1.46
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	1	1.46
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	1	1.46
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	1	1.46
(2,2998)	1:165:A:ILE:HG21	1:165:A:ILE:HA	16	1.46
(2,2998)	1:165:A:ILE:HG22	1:165:A:ILE:HA	16	1.46
(2,2998)	1:165:A:ILE:HG23	1:165:A:ILE:HA	16	1.46
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	15	1.46
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	15	1.46
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	15	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	10	1.46
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	10	1.46
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	10	1.46
(2,2817)	1:84:A:ILE:HD11	1:68:A:LYS:HB2	19	1.46
(2,2817)	1:84:A:ILE:HD12	1:68:A:LYS:HB2	19	1.46
(2,2817)	1:84:A:ILE:HD13	1:68:A:LYS:HB2	19	1.46
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	10	1.46
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	17	1.46
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	1	1.46
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	13	1.46
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	8	1.46
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	1	1.46
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	8	1.46
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	9	1.46
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	11	1.46
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	12	1.46
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	12	1.46
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	1	1.46
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	2	1.46
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	19	1.46
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	4	1.46
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	3	1.46
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	6	1.46
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	18	1.46
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	19	1.46
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	10	1.46
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	10	1.46
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	10	1.46
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	1	1.46
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	2	1.46
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	3	1.46
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	4	1.46
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	5	1.46
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	10	1.46
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	12	1.46
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	14	1.46
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	15	1.46
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	19	1.46
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	1	1.46
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	3	1.46
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	4	1.46
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	6	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	7	1.46
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	13	1.46
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	16	1.46
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	1	1.46
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	10	1.46
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	11	1.46
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	13	1.46
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	8	1.46
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	12	1.46
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	16	1.46
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	20	1.46
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	8	1.46
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	16	1.46
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	1	1.46
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	1	1.46
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	1	1.46
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	12	1.46
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	11	1.46
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	12	1.46
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	20	1.46
(2,2188)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	12	1.46
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	7	1.46
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	10	1.46
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	12	1.46
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	15	1.46
(2,2154)	1:9:A:VAL:HA	1:9:A:VAL:H	18	1.46
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	13	1.46
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	13	1.46
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	13	1.46
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	7	1.46
(2,2080)	1:28:A:ALA:HB1	1:28:A:ALA:H	5	1.46
(2,2080)	1:28:A:ALA:HB2	1:28:A:ALA:H	5	1.46
(2,2080)	1:28:A:ALA:HB3	1:28:A:ALA:H	5	1.46
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	5	1.46
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	12	1.46
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	15	1.46
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	19	1.46
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	2	1.46
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	3	1.46
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	4	1.46
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	18	1.46
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	1	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	1	1.46
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	1	1.46
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	3	1.46
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	3	1.46
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	3	1.46
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	11	1.46
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	11	1.46
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	11	1.46
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	17	1.46
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	17	1.46
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	17	1.46
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	7	1.46
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	7	1.46
(2,2013)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	7	1.46
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	2	1.46
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	4	1.46
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	11	1.46
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	12	1.46
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	17	1.46
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	19	1.46
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	20	1.46
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	4	1.46
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	4	1.46
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	4	1.46
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	18	1.46
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	18	1.46
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	18	1.46
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	17	1.46
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	18	1.46
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	13	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	1	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	2	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	4	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	5	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	6	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	7	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	8	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	12	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	13	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	14	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	16	1.46
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	20	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	8	1.46
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	8	1.46
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	8	1.46
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	9	1.46
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	9	1.46
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	9	1.46
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	20	1.46
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	20	1.46
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	20	1.46
(2,1794)	1:138:A:VAL:HG21	1:138:A:VAL:HA	11	1.46
(2,1794)	1:138:A:VAL:HG22	1:138:A:VAL:HA	11	1.46
(2,1794)	1:138:A:VAL:HG23	1:138:A:VAL:HA	11	1.46
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	13	1.46
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	17	1.46
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	14	1.46
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	9	1.46
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	9	1.46
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	9	1.46
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	5	1.46
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	11	1.46
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	1	1.46
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	2	1.46
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	5	1.46
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	6	1.46
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	7	1.46
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	9	1.46
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	10	1.46
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	12	1.46
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	14	1.46
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	15	1.46
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	11	1.46
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	11	1.46
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	11	1.46
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	18	1.46
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	2	1.46
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	2	1.46
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	2	1.46
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	14	1.46
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	14	1.46
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	14	1.46
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	19	1.46
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	19	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	19	1.46
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	14	1.46
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	11	1.46
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	1	1.46
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	2	1.46
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	3	1.46
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	6	1.46
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	8	1.46
(2,1523)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	15	1.46
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	1	1.46
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	3	1.46
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	4	1.46
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	5	1.46
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	6	1.46
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	7	1.46
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	10	1.46
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	11	1.46
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	17	1.46
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	20	1.46
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	6	1.46
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	6	1.46
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	6	1.46
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	2	1.46
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	5	1.46
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	4	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	2	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	4	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	5	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	7	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	8	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	9	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	12	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	13	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	14	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	16	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	17	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	19	1.46
(2,1274)	1:72:A:LEU:HB3	1:72:A:LEU:HA	20	1.46
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	7	1.46
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	7	1.46
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	7	1.46
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	9	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	9	1.46
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	9	1.46
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	10	1.46
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	10	1.46
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	10	1.46
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	13	1.46
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	13	1.46
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	13	1.46
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	15	1.46
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	15	1.46
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	15	1.46
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	16	1.46
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	16	1.46
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	16	1.46
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	17	1.46
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	17	1.46
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	17	1.46
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	3	1.46
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	6	1.46
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	13	1.46
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	18	1.46
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	6	1.46
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	16	1.46
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	13	1.46
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	13	1.46
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	13	1.46
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	13	1.46
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	17	1.46
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	17	1.46
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	17	1.46
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	20	1.46
(2,1015)	1:117:A:SER:HB3	1:118:A:LEU:H	20	1.46
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	18	1.46
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	2	1.46
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	17	1.46
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	20	1.46
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	8	1.46
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	6	1.46
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	17	1.46
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	3	1.46
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	5	1.46
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	10	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,902)	1:66:A:GLY:HA2	1:67:A:ALA:H	17	1.46
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	18	1.46
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	18	1.46
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	18	1.46
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	3	1.46
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	3	1.46
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	3	1.46
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	18	1.46
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	18	1.46
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	18	1.46
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	2	1.46
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	4	1.46
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	11	1.46
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	20	1.46
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	6	1.46
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	3	1.46
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	5	1.46
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	19	1.46
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	6	1.46
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	3	1.46
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	7	1.46
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	3	1.46
(2,632)	1:90:A:LEU:HD11	1:90:A:LEU:HB3	2	1.46
(2,632)	1:90:A:LEU:HD12	1:90:A:LEU:HB3	2	1.46
(2,632)	1:90:A:LEU:HD13	1:90:A:LEU:HB3	2	1.46
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	2	1.46
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	5	1.46
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	10	1.46
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	17	1.46
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	11	1.46
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	13	1.46
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	11	1.46
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	11	1.46
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	14	1.46
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	6	1.46
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	10	1.46
(2,560)	1:45:A:SER:HB3	1:45:A:SER:HA	18	1.46
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	10	1.46
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	10	1.46
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	1	1.46
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	7	1.46
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	4	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	14	1.46
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	14	1.46
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	14	1.46
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	9	1.46
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	10	1.46
(2,384)	1:117:A:SER:HB2	1:117:A:SER:HB3	13	1.46
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	2	1.46
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	3	1.46
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	7	1.46
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	8	1.46
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	12	1.46
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	13	1.46
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	16	1.46
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	17	1.46
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	19	1.46
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	20	1.46
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	12	1.46
(2,308)	1:151:A:ILE:HG12	1:151:A:ILE:HB	17	1.46
(2,283)	1:150:A:VAL:HA	1:150:A:VAL:HB	17	1.46
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	4	1.46
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	5	1.46
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	9	1.46
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	10	1.46
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	11	1.46
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	12	1.46
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	16	1.46
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	17	1.46
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	3	1.46
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	3	1.46
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	3	1.46
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	12	1.46
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	12	1.46
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	12	1.46
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	2	1.46
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	16	1.46
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	8	1.46
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	8	1.46
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	8	1.46
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	10	1.46
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	10	1.46
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	10	1.46
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	1	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	6	1.46
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	8	1.46
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	6	1.46
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	6	1.46
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	6	1.46
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	10	1.46
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	10	1.46
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	10	1.46
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	5	1.46
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	15	1.46
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	4	1.46
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	4	1.46
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	4	1.46
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	1	1.46
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	7	1.46
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	18	1.46
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	11	1.46
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	15	1.46
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	4	1.46
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	16	1.46
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	17	1.46
(2,49)	1:111:A:PHE:HB2	1:111:A:PHE:HA	20	1.46
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	11	1.46
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	8	1.46
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	17	1.46
(2,3)	1:6:A:THR:HA	1:6:A:THR:H	18	1.46
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	3	1.46
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	3	1.46
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	3	1.46
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	12	1.46
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	12	1.46
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	12	1.46
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	14	1.46
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	14	1.46
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	14	1.46
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	14	1.45
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	17	1.45
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	12	1.45
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	12	1.45
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	12	1.45
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	16	1.45
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	16	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	16	1.45
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	2	1.45
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	2	1.45
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	2	1.45
(4,379)	1:153:A:LEU:HD11	1:153:A:LEU:H	10	1.45
(4,379)	1:153:A:LEU:HD12	1:153:A:LEU:H	10	1.45
(4,379)	1:153:A:LEU:HD13	1:153:A:LEU:H	10	1.45
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	10	1.45
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	9	1.45
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	9	1.45
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	9	1.45
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	1	1.45
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	4	1.45
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	8	1.45
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	9	1.45
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	13	1.45
(2,3108)	1:161:A:THR:HA	1:161:A:THR:H	16	1.45
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	13	1.45
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	1	1.45
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	1	1.45
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	1	1.45
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	16	1.45
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	9	1.45
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	15	1.45
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	9	1.45
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	10	1.45
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	10	1.45
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	10	1.45
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	5	1.45
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	15	1.45
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	10	1.45
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	10	1.45
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	10	1.45
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	19	1.45
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	19	1.45
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	19	1.45
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	7	1.45
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	14	1.45
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	3	1.45
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	6	1.45
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	8	1.45
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	16	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	4	1.45
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	20	1.45
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	7	1.45
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	6	1.45
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	7	1.45
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	20	1.45
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	5	1.45
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	6	1.45
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	7	1.45
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	18	1.45
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	20	1.45
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	8	1.45
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	4	1.45
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	11	1.45
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	6	1.45
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	9	1.45
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	11	1.45
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	16	1.45
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	18	1.45
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	20	1.45
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	2	1.45
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	3	1.45
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	7	1.45
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	9	1.45
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	12	1.45
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	14	1.45
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	15	1.45
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	18	1.45
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	2	1.45
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	2	1.45
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	2	1.45
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	2	1.45
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	3	1.45
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	3	1.45
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	3	1.45
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	5	1.45
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	5	1.45
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	5	1.45
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	18	1.45
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	18	1.45
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	18	1.45
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	10	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2251)	1:152:A:GLU:HA	1:152:A:GLU:HB3	4	1.45
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	17	1.45
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	4	1.45
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	11	1.45
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	12	1.45
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	3	1.45
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	3	1.45
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	3	1.45
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	13	1.45
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	13	1.45
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	13	1.45
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	18	1.45
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	18	1.45
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	18	1.45
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	18	1.45
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	14	1.45
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	15	1.45
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	16	1.45
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	4	1.45
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	4	1.45
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	4	1.45
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	18	1.45
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	18	1.45
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	18	1.45
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	2	1.45
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	9	1.45
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	1	1.45
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	8	1.45
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	9	1.45
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	12	1.45
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	13	1.45
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	14	1.45
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	16	1.45
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	14	1.45
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	16	1.45
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	1	1.45
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	1	1.45
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	1	1.45
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	6	1.45
(2,1898)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	6	1.45
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	9	1.45
(2,1861)	1:18:A:ILE:HG13	1:18:A:ILE:HB	9	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	16	1.45
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	16	1.45
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	16	1.45
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	11	1.45
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	11	1.45
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	11	1.45
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	14	1.45
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	10	1.45
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	18	1.45
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	20	1.45
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	8	1.45
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	8	1.45
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	8	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	1	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	2	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	4	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	7	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	8	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	9	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	10	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	12	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	13	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	14	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	15	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	17	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	18	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	19	1.45
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	20	1.45
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	8	1.45
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	13	1.45
(2,1716)	1:115:A:TRP:HB3	1:115:A:TRP:HA	18	1.45
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	9	1.45
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	9	1.45
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	9	1.45
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	3	1.45
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	8	1.45
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	14	1.45
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	16	1.45
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	18	1.45
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	7	1.45
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	7	1.45
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	7	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	20	1.45
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	20	1.45
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	20	1.45
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD11	12	1.45
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD12	12	1.45
(2,1546)	1:126:A:HIS:H	1:125:A:ILE:HD13	12	1.45
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	3	1.45
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	3	1.45
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	3	1.45
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	3	1.45
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	3	1.45
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	3	1.45
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	3	1.45
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	3	1.45
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	3	1.45
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	10	1.45
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	10	1.45
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	10	1.45
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	10	1.45
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	10	1.45
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	10	1.45
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	10	1.45
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	10	1.45
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	10	1.45
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	15	1.45
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	15	1.45
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	15	1.45
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	15	1.45
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	15	1.45
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	15	1.45
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	15	1.45
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	15	1.45
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	15	1.45
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	16	1.45
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	16	1.45
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	16	1.45
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	16	1.45
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	16	1.45
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	16	1.45
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	16	1.45
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	16	1.45
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	16	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	7	1.45
(2,1479)	1:70:A:LEU:HD11	1:71:A:THR:H	14	1.45
(2,1479)	1:70:A:LEU:HD12	1:71:A:THR:H	14	1.45
(2,1479)	1:70:A:LEU:HD13	1:71:A:THR:H	14	1.45
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	2	1.45
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	9	1.45
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	12	1.45
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	13	1.45
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	14	1.45
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	15	1.45
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	18	1.45
(2,1465)	1:24:A:ILE:HB	1:24:A:ILE:HG13	19	1.45
(2,1427)	1:91:A:THR:HG21	1:91:A:THR:HA	5	1.45
(2,1427)	1:91:A:THR:HG22	1:91:A:THR:HA	5	1.45
(2,1427)	1:91:A:THR:HG23	1:91:A:THR:HA	5	1.45
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	1	1.45
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	1	1.45
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	1	1.45
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	2	1.45
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	2	1.45
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	2	1.45
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	8	1.45
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	8	1.45
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	8	1.45
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	18	1.45
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	18	1.45
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	18	1.45
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	19	1.45
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	19	1.45
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	19	1.45
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	1	1.45
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	2	1.45
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	7	1.45
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	10	1.45
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	12	1.45
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	14	1.45
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	15	1.45
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	19	1.45
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	2	1.45
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	7	1.45
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	10	1.45
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	13	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	15	1.45
(2,1120)	1:52:A:PRO:HD3	1:51:A:LEU:HA	20	1.45
(2,1039)	1:65:A:ILE:HG21	1:65:A:ILE:HA	5	1.45
(2,1039)	1:65:A:ILE:HG22	1:65:A:ILE:HA	5	1.45
(2,1039)	1:65:A:ILE:HG23	1:65:A:ILE:HA	5	1.45
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	1	1.45
(2,1037)	1:53:A:ASP:HB3	1:53:A:ASP:H	2	1.45
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	11	1.45
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	11	1.45
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	11	1.45
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	14	1.45
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	9	1.45
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	20	1.45
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	20	1.45
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	20	1.45
(2,886)	1:6:A:THR:H	1:6:A:THR:HG21	4	1.45
(2,886)	1:6:A:THR:H	1:6:A:THR:HG22	4	1.45
(2,886)	1:6:A:THR:H	1:6:A:THR:HG23	4	1.45
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	2	1.45
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	2	1.45
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	2	1.45
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	8	1.45
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	8	1.45
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	8	1.45
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	19	1.45
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	19	1.45
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	19	1.45
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	5	1.45
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	14	1.45
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	3	1.45
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	4	1.45
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	11	1.45
(2,841)	1:130:A:ASN:HB2	1:130:A:ASN:H	3	1.45
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	9	1.45
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	3	1.45
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	11	1.45
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	2	1.45
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	1	1.45
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	12	1.45
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	18	1.45
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	8	1.45
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	11	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	20	1.45
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	3	1.45
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	6	1.45
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	11	1.45
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	6	1.45
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	6	1.45
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	9	1.45
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	9	1.45
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	19	1.45
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	19	1.45
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	20	1.45
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	20	1.45
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	2	1.45
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	10	1.45
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	13	1.45
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	18	1.45
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	1	1.45
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	6	1.45
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	14	1.45
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	18	1.45
(2,460)	1:9:A:VAL:HB	1:9:A:VAL:H	18	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	1	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	2	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	4	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	5	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	7	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	8	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	9	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	10	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	12	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	13	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	14	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	15	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	16	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	17	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	18	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	19	1.45
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	20	1.45
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	1	1.45
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	4	1.45
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	5	1.45
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	6	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	9	1.45
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	10	1.45
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	11	1.45
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	14	1.45
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	15	1.45
(2,375)	1:99:A:TYR:HB2	1:99:A:TYR:HA	18	1.45
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	13	1.45
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	13	1.45
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	13	1.45
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	1	1.45
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	3	1.45
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	7	1.45
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	13	1.45
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	15	1.45
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	18	1.45
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	20	1.45
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	11	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	6	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	6	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	6	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	8	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	8	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	8	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	13	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	13	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	13	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	14	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	14	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	14	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	16	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	16	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	16	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	18	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	18	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	18	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	19	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	19	1.45
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	19	1.45
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	7	1.45
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	12	1.45
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	20	1.45
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	2	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	2	1.45
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	2	1.45
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	6	1.45
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	6	1.45
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	6	1.45
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	7	1.45
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	7	1.45
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	7	1.45
(2,168)	1:89:A:ILE:HD11	1:89:A:ILE:HB	11	1.45
(2,168)	1:89:A:ILE:HD12	1:89:A:ILE:HB	11	1.45
(2,168)	1:89:A:ILE:HD13	1:89:A:ILE:HB	11	1.45
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	14	1.45
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	1	1.45
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	1	1.45
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	1	1.45
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	2	1.45
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	2	1.45
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	2	1.45
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	17	1.45
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	17	1.45
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	17	1.45
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	17	1.45
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	19	1.45
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	2	1.45
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	10	1.45
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	13	1.45
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	20	1.45
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	16	1.45
(2,40)	1:167:A:ARG:HB2	1:167:A:ARG:HD3	17	1.45
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	7	1.45
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	4	1.45
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	8	1.45
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	12	1.45
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	14	1.45
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	19	1.45
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	1	1.45
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	3	1.45
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	7	1.45
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	9	1.45
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	10	1.45
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	12	1.45
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	15	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	18	1.45
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	17	1.45
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	17	1.45
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	17	1.45
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	19	1.44
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	15	1.44
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	15	1.44
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	15	1.44
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	10	1.44
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	10	1.44
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	14	1.44
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	14	1.44
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	19	1.44
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	1	1.44
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	20	1.44
(2,3169)	1:162:A:ARG:HB2	1:162:A:ARG:HA	10	1.44
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	14	1.44
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	14	1.44
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	14	1.44
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	19	1.44
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	2	1.44
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	3	1.44
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	8	1.44
(2,3032)	1:104:A:GLN:HB3	1:104:A:GLN:H	5	1.44
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	15	1.44
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	4	1.44
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	7	1.44
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	12	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	1	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	1	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	1	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	2	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	2	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	2	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	3	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	3	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	3	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	4	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	4	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	4	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	5	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	5	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	5	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	6	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	6	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	6	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	7	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	7	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	7	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	8	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	8	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	8	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	9	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	9	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	9	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	12	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	12	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	12	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	13	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	13	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	13	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	14	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	14	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	14	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	15	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	15	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	15	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	16	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	16	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	16	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	17	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	17	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	17	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	18	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	18	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	18	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	20	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	20	1.44
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	20	1.44
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	18	1.44
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	1	1.44
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	1	1.44
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	1	1.44
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	9	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	4	1.44
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	9	1.44
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	11	1.44
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	14	1.44
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	17	1.44
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	4	1.44
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	10	1.44
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	18	1.44
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	9	1.44
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	9	1.44
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	9	1.44
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	12	1.44
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	12	1.44
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	12	1.44
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	19	1.44
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	19	1.44
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	19	1.44
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	20	1.44
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	20	1.44
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	20	1.44
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	18	1.44
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	12	1.44
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	14	1.44
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	15	1.44
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	16	1.44
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	17	1.44
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	19	1.44
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	11	1.44
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	1	1.44
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	13	1.44
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	8	1.44
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	8	1.44
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	8	1.44
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	12	1.44
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	12	1.44
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	12	1.44
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	11	1.44
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	11	1.44
(2,2505)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	11	1.44
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	8	1.44
(2,2485)	1:5:A:LEU:HB3	1:5:A:LEU:HG	17	1.44
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	8	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	16	1.44
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	19	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	1	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	2	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	3	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	4	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	5	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	6	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	7	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	8	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	9	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	10	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	11	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	12	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	13	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	14	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	15	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	16	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	17	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	18	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	19	1.44
(2,2457)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	20	1.44
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	16	1.44
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	4	1.44
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	6	1.44
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	17	1.44
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	19	1.44
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	20	1.44
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	7	1.44
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	10	1.44
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	11	1.44
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	14	1.44
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	18	1.44
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	19	1.44
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	19	1.44
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	7	1.44
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	10	1.44
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	11	1.44
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	4	1.44
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	4	1.44
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	4	1.44
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	13	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	13	1.44
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	13	1.44
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	14	1.44
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	14	1.44
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	14	1.44
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	15	1.44
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	15	1.44
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	15	1.44
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	19	1.44
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	19	1.44
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	19	1.44
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	18	1.44
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	5	1.44
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	9	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	1	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	1	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	1	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	2	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	2	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	2	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	4	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	4	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	4	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	5	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	5	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	5	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	6	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	6	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	6	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	7	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	7	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	7	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	8	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	8	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	8	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	9	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	9	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	9	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	10	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	10	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	10	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	11	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	11	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	11	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	12	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	12	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	12	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	15	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	15	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	15	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	16	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	16	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	16	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	17	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	17	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	17	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	19	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	19	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	19	1.44
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	20	1.44
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	20	1.44
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	20	1.44
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	4	1.44
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	5	1.44
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	5	1.44
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	5	1.44
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	14	1.44
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	14	1.44
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	14	1.44
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	15	1.44
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	15	1.44
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	15	1.44
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	19	1.44
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	19	1.44
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	19	1.44
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	19	1.44
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	13	1.44
(2,2047)	1:103:A:ARG:HB2	1:103:A:ARG:HA	6	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	1	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	3	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	4	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	5	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	6	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	7	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	8	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	10	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	12	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	13	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	14	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	15	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	16	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	17	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	18	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	19	1.44
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	20	1.44
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	5	1.44
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	7	1.44
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	7	1.44
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	7	1.44
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	9	1.44
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	9	1.44
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	9	1.44
(2,2020)	1:26:A:THR:HG21	1:26:A:THR:HA	12	1.44
(2,2020)	1:26:A:THR:HG22	1:26:A:THR:HA	12	1.44
(2,2020)	1:26:A:THR:HG23	1:26:A:THR:HA	12	1.44
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	11	1.44
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	6	1.44
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	6	1.44
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	6	1.44
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	17	1.44
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	17	1.44
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	17	1.44
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	13	1.44
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	13	1.44
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	13	1.44
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	2	1.44
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	2	1.44
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	2	1.44
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	2	1.44
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	3	1.44
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	3	1.44
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	3	1.44
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	4	1.44
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	4	1.44
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	4	1.44
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	5	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	5	1.44
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	5	1.44
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	7	1.44
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	7	1.44
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	7	1.44
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	15	1.44
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	15	1.44
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	15	1.44
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	17	1.44
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	17	1.44
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	17	1.44
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	18	1.44
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	18	1.44
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	18	1.44
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	19	1.44
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	19	1.44
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	19	1.44
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	6	1.44
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	6	1.44
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	6	1.44
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	1	1.44
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	4	1.44
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	7	1.44
(2,1752)	1:108:A:GLY:H	1:107:A:PRO:HG2	18	1.44
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	13	1.44
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	10	1.44
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	3	1.44
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	6	1.44
(2,1719)	1:103:A:ARG:HD2	1:103:A:ARG:HD3	16	1.44
(2,1687)	1:145:A:MET:HA	1:145:A:MET:HB3	12	1.44
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	8	1.44
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	8	1.44
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	8	1.44
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	8	1.44
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	8	1.44
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	8	1.44
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	16	1.44
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	16	1.44
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	16	1.44
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	10	1.44
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	4	1.44
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	6	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	6	1.44
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	6	1.44
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	9	1.44
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	9	1.44
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	9	1.44
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	10	1.44
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	10	1.44
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	10	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	1	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	1	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	1	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	1	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	1	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	1	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	1	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	1	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	1	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	2	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	2	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	2	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	2	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	2	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	2	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	2	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	2	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	2	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	4	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	4	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	4	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	4	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	4	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	4	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	4	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	4	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	4	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	5	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	5	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	5	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	5	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	5	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	5	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	5	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	5	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	5	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	6	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	6	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	6	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	6	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	6	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	6	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	6	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	6	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	6	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	7	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	7	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	7	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	7	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	7	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	7	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	7	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	7	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	7	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	9	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	9	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	9	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	9	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	9	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	9	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	9	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	9	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	9	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	11	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	11	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	11	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	11	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	11	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	11	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	11	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	11	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	11	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	12	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	12	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	12	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	12	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	12	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	12	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	12	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	12	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	12	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	13	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	13	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	13	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	13	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	13	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	13	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	13	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	13	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	13	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	14	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	14	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	14	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	14	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	14	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	14	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	14	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	14	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	14	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	17	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	17	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	17	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	17	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	17	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	17	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	17	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	17	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	17	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	18	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	18	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	18	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	18	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	18	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	18	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	18	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	18	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	18	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	19	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	19	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	19	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	19	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	19	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	19	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	19	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	19	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	19	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	20	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	20	1.44
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	20	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	20	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	20	1.44
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	20	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	20	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	20	1.44
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	20	1.44
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	2	1.44
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	12	1.44
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	13	1.44
(2,1359)	1:54:A:PRO:HB3	1:54:A:PRO:HA	10	1.44
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	1	1.44
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	1	1.44
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	1	1.44
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	2	1.44
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	2	1.44
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	2	1.44
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	4	1.44
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	4	1.44
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	4	1.44
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	7	1.44
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	7	1.44
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	7	1.44
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	11	1.44
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	11	1.44
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	11	1.44
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	10	1.44
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	3	1.44
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	4	1.44
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	19	1.44
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	20	1.44
(2,1253)	1:125:A:ILE:HG21	1:125:A:ILE:HA	4	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1253)	1:125:A:ILE:HG22	1:125:A:ILE:HA	4	1.44
(2,1253)	1:125:A:ILE:HG23	1:125:A:ILE:HA	4	1.44
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	4	1.44
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	5	1.44
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	8	1.44
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	9	1.44
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	17	1.44
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	20	1.44
(2,1182)	1:68:A:LYS:HA	1:68:A:LYS:HD3	2	1.44
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	3	1.44
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	4	1.44
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	11	1.44
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	18	1.44
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	20	1.44
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	20	1.44
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	7	1.44
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	12	1.44
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	5	1.44
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	10	1.44
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	10	1.44
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	10	1.44
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	12	1.44
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	12	1.44
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	12	1.44
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	18	1.44
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	18	1.44
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	18	1.44
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	1	1.44
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	1	1.44
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	1	1.44
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	7	1.44
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	7	1.44
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	7	1.44
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	9	1.44
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	9	1.44
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	9	1.44
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	13	1.44
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	13	1.44
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	13	1.44
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	16	1.44
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	16	1.44
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	16	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	7	1.44
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	8	1.44
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	10	1.44
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	14	1.44
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	17	1.44
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	19	1.44
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	20	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	1	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	2	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	3	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	4	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	5	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	6	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	7	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	8	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	9	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	10	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	11	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	12	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	13	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	14	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	15	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	16	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	17	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	18	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	19	1.44
(2,842)	1:131:A:PRO:HD2	1:131:A:PRO:HD3	20	1.44
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	15	1.44
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	7	1.44
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	8	1.44
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	15	1.44
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	15	1.44
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	2	1.44
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	12	1.44
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	17	1.44
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	15	1.44
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	1	1.44
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	4	1.44
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	12	1.44
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	14	1.44
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	15	1.44
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	4	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	7	1.44
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	14	1.44
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	19	1.44
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	3	1.44
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	3	1.44
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	4	1.44
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	4	1.44
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	7	1.44
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	7	1.44
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	16	1.44
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	16	1.44
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	17	1.44
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	17	1.44
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	1	1.44
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	3	1.44
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	4	1.44
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	6	1.44
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	14	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	2	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	3	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	4	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	5	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	7	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	8	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	9	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	10	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	11	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	12	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	13	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	15	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	16	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	17	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	19	1.44
(2,481)	1:65:A:ILE:HA	1:65:A:ILE:H	20	1.44
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	17	1.44
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	18	1.44
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	17	1.44
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	19	1.44
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	3	1.44
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	6	1.44
(2,402)	1:61:A:ILE:HB	1:61:A:ILE:HG12	11	1.44
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	1	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	2	1.44
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	4	1.44
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	6	1.44
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	8	1.44
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	11	1.44
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	13	1.44
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	14	1.44
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	20	1.44
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	2	1.44
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	13	1.44
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	14	1.44
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	7	1.44
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	7	1.44
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	7	1.44
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	6	1.44
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	14	1.44
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	12	1.44
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	4	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	1	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	1	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	1	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	2	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	2	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	2	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	4	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	4	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	4	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	5	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	5	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	5	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	7	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	7	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	7	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	9	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	9	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	9	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	10	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	10	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	10	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	11	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	11	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	11	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	15	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	15	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	15	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	17	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	17	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	17	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB1	20	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB2	20	1.44
(2,211)	1:132:A:ALA:H	1:132:A:ALA:HB3	20	1.44
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	13	1.44
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	15	1.44
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	3	1.44
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	3	1.44
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	3	1.44
(2,132)	1:77:A:ARG:HG2	1:77:A:ARG:HA	13	1.44
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	7	1.44
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	14	1.44
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	16	1.44
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	17	1.44
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	19	1.44
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	20	1.44
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	14	1.44
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	14	1.44
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	14	1.44
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	2	1.44
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	4	1.44
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	6	1.44
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	3	1.44
(2,30)	1:103:A:ARG:HD2	1:103:A:ARG:HG3	6	1.44
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	13	1.44
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	20	1.44
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	1	1.44
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	3	1.44
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	6	1.44
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	7	1.44
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	9	1.44
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	10	1.44
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	11	1.44
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	15	1.44
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	16	1.44
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	18	1.44
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	20	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	2	1.44
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	5	1.44
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	8	1.44
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	13	1.44
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	14	1.44
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	1	1.44
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	1	1.44
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	1	1.44
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	6	1.44
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	6	1.44
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	6	1.44
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	20	1.43
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	18	1.43
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	18	1.43
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	18	1.43
(4,940)	1:139:A:SER:H	1:139:A:SER:HA	11	1.43
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	2	1.43
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	7	1.43
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	7	1.43
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	7	1.43
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	7	1.43
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	7	1.43
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	2	1.43
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	2	1.43
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	11	1.43
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	11	1.43
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	15	1.43
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	15	1.43
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	8	1.43
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	5	1.43
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	5	1.43
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	5	1.43
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	10	1.43
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	13	1.43
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	12	1.43
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	12	1.43
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	12	1.43
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	4	1.43
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	10	1.43
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	14	1.43
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	15	1.43
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	17	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	19	1.43
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	20	1.43
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	8	1.43
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	1	1.43
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	9	1.43
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	9	1.43
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	9	1.43
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	18	1.43
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	18	1.43
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	18	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	1	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	3	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	4	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	6	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	7	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	8	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	9	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	10	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	11	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	12	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	13	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	14	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	16	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	17	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	18	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	19	1.43
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	20	1.43
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	3	1.43
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	9	1.43
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	13	1.43
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	19	1.43
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG21	11	1.43
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG22	11	1.43
(2,2951)	1:56:A:THR:HB	1:56:A:THR:HG23	11	1.43
(2,2913)	1:107:A:PRO:HD2	1:107:A:PRO:HG3	18	1.43
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	7	1.43
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	7	1.43
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	7	1.43
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	8	1.43
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	8	1.43
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	8	1.43
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	9	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	9	1.43
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	9	1.43
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	16	1.43
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	16	1.43
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	16	1.43
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	18	1.43
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	18	1.43
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	18	1.43
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	20	1.43
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	20	1.43
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	20	1.43
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	17	1.43
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	2	1.43
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	3	1.43
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	12	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	1	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	1	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	1	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	2	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	2	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	2	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	3	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	3	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	3	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	4	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	4	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	4	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	5	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	5	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	5	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	6	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	6	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	6	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	7	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	7	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	7	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	8	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	8	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	8	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	10	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	10	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	10	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	11	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	11	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	11	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	13	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	13	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	13	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	14	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	14	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	14	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	16	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	16	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	16	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	17	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	17	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	17	1.43
(2,2743)	1:156:A:ILE:HG21	1:156:A:ILE:HG13	18	1.43
(2,2743)	1:156:A:ILE:HG22	1:156:A:ILE:HG13	18	1.43
(2,2743)	1:156:A:ILE:HG23	1:156:A:ILE:HG13	18	1.43
(2,2644)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	18	1.43
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	8	1.43
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	10	1.43
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	1	1.43
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	1	1.43
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	1	1.43
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	6	1.43
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	6	1.43
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	6	1.43
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	7	1.43
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	7	1.43
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	7	1.43
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	8	1.43
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	8	1.43
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	8	1.43
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	9	1.43
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	9	1.43
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	9	1.43
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	14	1.43
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	14	1.43
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	14	1.43
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	15	1.43
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	15	1.43
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	15	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	19	1.43
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	19	1.43
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	19	1.43
(2,2542)	1:131:A:PRO:HA	1:132:A:ALA:H	4	1.43
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	5	1.43
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	17	1.43
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	3	1.43
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	3	1.43
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	3	1.43
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	11	1.43
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	11	1.43
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	11	1.43
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	19	1.43
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	19	1.43
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	19	1.43
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	2	1.43
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	4	1.43
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	7	1.43
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	10	1.43
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	13	1.43
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	14	1.43
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	15	1.43
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	17	1.43
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	19	1.43
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	9	1.43
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	14	1.43
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	17	1.43
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	7	1.43
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	5	1.43
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	19	1.43
(2,2424)	1:117:A:SER:HA	1:118:A:LEU:H	8	1.43
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	1	1.43
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	2	1.43
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	3	1.43
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	5	1.43
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	8	1.43
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	9	1.43
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	12	1.43
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	13	1.43
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	7	1.43
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	3	1.43
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	4	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	8	1.43
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	11	1.43
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	20	1.43
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	2	1.43
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	3	1.43
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	13	1.43
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	16	1.43
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	17	1.43
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	20	1.43
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	14	1.43
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	13	1.43
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	13	1.43
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	13	1.43
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	7	1.43
(2,2167)	1:134:A:ILE:HD11	1:134:A:ILE:HB	14	1.43
(2,2167)	1:134:A:ILE:HD12	1:134:A:ILE:HB	14	1.43
(2,2167)	1:134:A:ILE:HD13	1:134:A:ILE:HB	14	1.43
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	11	1.43
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	14	1.43
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	1	1.43
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	2	1.43
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	6	1.43
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	12	1.43
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	15	1.43
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	12	1.43
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	2	1.43
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	2	1.43
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	2	1.43
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	3	1.43
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	3	1.43
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	3	1.43
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	10	1.43
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	10	1.43
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	10	1.43
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	3	1.43
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	5	1.43
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	9	1.43
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	11	1.43
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	13	1.43
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	15	1.43
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	16	1.43
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	17	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	19	1.43
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	1	1.43
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	3	1.43
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	5	1.43
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	6	1.43
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	12	1.43
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	13	1.43
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	13	1.43
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	13	1.43
(2,2027)	1:18:A:ILE:HG12	1:18:A:ILE:HB	11	1.43
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	6	1.43
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	15	1.43
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	3	1.43
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	20	1.43
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	2	1.43
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	18	1.43
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	4	1.43
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	4	1.43
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	4	1.43
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	12	1.43
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	8	1.43
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	8	1.43
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	8	1.43
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	6	1.43
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	1	1.43
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	1	1.43
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	1	1.43
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	6	1.43
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	6	1.43
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	6	1.43
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	10	1.43
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	10	1.43
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	10	1.43
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	13	1.43
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	13	1.43
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	13	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	1	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	1	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	1	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	2	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	2	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	2	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	5	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	5	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	5	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	8	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	8	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	8	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	9	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	9	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	9	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	13	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	13	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	13	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	15	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	15	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	15	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	18	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	18	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	18	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	19	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	19	1.43
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	19	1.43
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	5	1.43
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	5	1.43
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	5	1.43
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	2	1.43
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	2	1.43
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	2	1.43
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	14	1.43
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	14	1.43
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	14	1.43
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	17	1.43
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	17	1.43
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	17	1.43
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	5	1.43
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	5	1.43
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	5	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	1	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	1	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	1	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	2	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	2	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	2	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	6	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	6	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	6	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	7	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	7	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	7	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	9	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	9	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	9	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	12	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	12	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	12	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	13	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	13	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	13	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	15	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	15	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	15	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	16	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	16	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	16	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	17	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	17	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	17	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	18	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	18	1.43
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	18	1.43
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	2	1.43
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	2	1.43
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	2	1.43
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	9	1.43
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	4	1.43
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	6	1.43
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	9	1.43
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	12	1.43
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	15	1.43
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	17	1.43
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	1	1.43
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	1	1.43
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	1	1.43
(2,1568)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	15	1.43
(2,1568)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	15	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1568)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	15	1.43
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	9	1.43
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD21	8	1.43
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD22	8	1.43
(2,1517)	1:30:A:LEU:HD11	1:30:A:LEU:HD23	8	1.43
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD21	8	1.43
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD22	8	1.43
(2,1517)	1:30:A:LEU:HD12	1:30:A:LEU:HD23	8	1.43
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD21	8	1.43
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD22	8	1.43
(2,1517)	1:30:A:LEU:HD13	1:30:A:LEU:HD23	8	1.43
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	6	1.43
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	5	1.43
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	2	1.43
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	12	1.43
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	12	1.43
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	12	1.43
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	1	1.43
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	1	1.43
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	1	1.43
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	12	1.43
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	12	1.43
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	12	1.43
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	13	1.43
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	13	1.43
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	13	1.43
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	15	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	1	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	2	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	5	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	7	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	8	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	9	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	10	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	11	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	12	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	13	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	14	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	15	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	16	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	17	1.43
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	18	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	11	1.43
(2,1248)	1:90:A:LEU:HA	1:90:A:LEU:HB3	16	1.43
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	1	1.43
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	6	1.43
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	8	1.43
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	14	1.43
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	5	1.43
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	5	1.43
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	5	1.43
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	13	1.43
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	6	1.43
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	6	1.43
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	6	1.43
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	9	1.43
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	9	1.43
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	9	1.43
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	11	1.43
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	11	1.43
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	11	1.43
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	14	1.43
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	14	1.43
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	14	1.43
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	4	1.43
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	4	1.43
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	4	1.43
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	5	1.43
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	5	1.43
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	5	1.43
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	14	1.43
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	14	1.43
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	14	1.43
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	17	1.43
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	17	1.43
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	17	1.43
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	3	1.43
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	5	1.43
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	11	1.43
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	12	1.43
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	3	1.43
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	5	1.43
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	7	1.43
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	12	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	16	1.43
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	20	1.43
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	2	1.43
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	1	1.43
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	18	1.43
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD21	3	1.43
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD22	3	1.43
(2,772)	1:72:A:LEU:HB2	1:72:A:LEU:HD23	3	1.43
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	6	1.43
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	15	1.43
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	7	1.43
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	1	1.43
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	14	1.43
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	15	1.43
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	16	1.43
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	18	1.43
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	19	1.43
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	18	1.43
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	17	1.43
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	18	1.43
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	1	1.43
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	1	1.43
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	10	1.43
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	10	1.43
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	12	1.43
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	12	1.43
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	13	1.43
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	13	1.43
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	15	1.43
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	15	1.43
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	18	1.43
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	18	1.43
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	16	1.43
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	20	1.43
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	6	1.43
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	6	1.43
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	5	1.43
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	7	1.43
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	8	1.43
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	12	1.43
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	15	1.43
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	16	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	20	1.43
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	1	1.43
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	6	1.43
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	8	1.43
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	12	1.43
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	20	1.43
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	3	1.43
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	7	1.43
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	9	1.43
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	10	1.43
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	12	1.43
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	15	1.43
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	17	1.43
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	18	1.43
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	2	1.43
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	4	1.43
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	9	1.43
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	11	1.43
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	13	1.43
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	14	1.43
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	17	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	1	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	2	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	3	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	4	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	5	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	6	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	7	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	8	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	9	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	10	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	11	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	12	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	13	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	14	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	15	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	17	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	18	1.43
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	20	1.43
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	11	1.43
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	11	1.43
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	11	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	12	1.43
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	12	1.43
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	12	1.43
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	14	1.43
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	14	1.43
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	14	1.43
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	6	1.43
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	4	1.43
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	5	1.43
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	6	1.43
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	17	1.43
(2,158)	1:97:A:GLU:HB3	1:97:A:GLU:HA	12	1.43
(2,157)	1:90:A:LEU:HD21	1:90:A:LEU:HA	13	1.43
(2,157)	1:90:A:LEU:HD22	1:90:A:LEU:HA	13	1.43
(2,157)	1:90:A:LEU:HD23	1:90:A:LEU:HA	13	1.43
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	16	1.43
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	10	1.43
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	10	1.43
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	10	1.43
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	20	1.43
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	20	1.43
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	20	1.43
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	14	1.43
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	17	1.43
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	1	1.43
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	19	1.43
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	9	1.43
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	2	1.43
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	16	1.43
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	5	1.43
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	13	1.43
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	17	1.43
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	11	1.43
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	4	1.43
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	4	1.43
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	4	1.43
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	7	1.43
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	7	1.43
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	7	1.43
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	10	1.43
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	10	1.43
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	10	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	15	1.42
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	19	1.42
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	3	1.42
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	3	1.42
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	3	1.42
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	15	1.42
(4,379)	1:153:A:LEU:HD11	1:153:A:LEU:H	9	1.42
(4,379)	1:153:A:LEU:HD12	1:153:A:LEU:H	9	1.42
(4,379)	1:153:A:LEU:HD13	1:153:A:LEU:H	9	1.42
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	15	1.42
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	3	1.42
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	5	1.42
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	6	1.42
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	8	1.42
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	12	1.42
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	17	1.42
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	20	1.42
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	12	1.42
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	12	1.42
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	3	1.42
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	14	1.42
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	3	1.42
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	3	1.42
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	3	1.42
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	19	1.42
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	19	1.42
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	19	1.42
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	5	1.42
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	5	1.42
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	5	1.42
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	15	1.42
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	15	1.42
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	15	1.42
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	1	1.42
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	5	1.42
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	7	1.42
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	9	1.42
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	12	1.42
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	13	1.42
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	8	1.42
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	2	1.42
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	13	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	16	1.42
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	2	1.42
(2,2991)	1:33:A:ASN:HB2	1:33:A:ASN:HB3	5	1.42
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	1	1.42
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	14	1.42
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	8	1.42
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	8	1.42
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	8	1.42
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	3	1.42
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	3	1.42
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	3	1.42
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	4	1.42
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	4	1.42
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	4	1.42
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	10	1.42
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	10	1.42
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	10	1.42
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	4	1.42
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	18	1.42
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	20	1.42
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	1	1.42
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	2	1.42
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	5	1.42
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	12	1.42
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	16	1.42
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	16	1.42
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	19	1.42
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	12	1.42
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	12	1.42
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	12	1.42
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	10	1.42
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	15	1.42
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	17	1.42
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	12	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	2	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	2	1.42
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	2	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	3	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	3	1.42
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	3	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	4	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	4	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	4	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	5	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	5	1.42
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	5	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	10	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	10	1.42
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	10	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	11	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	11	1.42
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	11	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	12	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	12	1.42
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	12	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	13	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	13	1.42
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	13	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	16	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	16	1.42
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	16	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	17	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	17	1.42
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	17	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	18	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	18	1.42
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	18	1.42
(2,2544)	1:78:A:VAL:HG21	1:78:A:VAL:HB	20	1.42
(2,2544)	1:78:A:VAL:HG22	1:78:A:VAL:HB	20	1.42
(2,2544)	1:78:A:VAL:HG23	1:78:A:VAL:HB	20	1.42
(2,2527)	1:61:A:ILE:H	1:60:A:HIS:HA	12	1.42
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	17	1.42
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	3	1.42
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	5	1.42
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	16	1.42
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	20	1.42
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	5	1.42
(2,2461)	1:34:A:PRO:HD2	1:35:A:SER:H	11	1.42
(2,2456)	1:166:A:ASN:H	1:166:A:ASN:HB2	12	1.42
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	3	1.42
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	4	1.42
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	8	1.42
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	9	1.42
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	12	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	6	1.42
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	9	1.42
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	12	1.42
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	1	1.42
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	4	1.42
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	5	1.42
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	12	1.42
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	14	1.42
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	15	1.42
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	18	1.42
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	19	1.42
(2,2323)	1:5:A:LEU:HD11	1:5:A:LEU:HB3	7	1.42
(2,2323)	1:5:A:LEU:HD12	1:5:A:LEU:HB3	7	1.42
(2,2323)	1:5:A:LEU:HD13	1:5:A:LEU:HB3	7	1.42
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	11	1.42
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	11	1.42
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	11	1.42
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	11	1.42
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	3	1.42
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	3	1.42
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	3	1.42
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	6	1.42
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	17	1.42
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	19	1.42
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	5	1.42
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	5	1.42
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	5	1.42
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	8	1.42
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	15	1.42
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	5	1.42
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	14	1.42
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	16	1.42
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	17	1.42
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	4	1.42
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	4	1.42
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	4	1.42
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	4	1.42
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	1	1.42
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	1	1.42
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	1	1.42
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	1	1.42
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	2	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	4	1.42
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	6	1.42
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	7	1.42
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	8	1.42
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	10	1.42
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	12	1.42
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	14	1.42
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	18	1.42
(2,2099)	1:74:A:LEU:HB3	1:74:A:LEU:HA	20	1.42
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	9	1.42
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	19	1.42
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	7	1.42
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	2	1.42
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	2	1.42
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	2	1.42
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	9	1.42
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	9	1.42
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	9	1.42
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	10	1.42
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	10	1.42
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	10	1.42
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	13	1.42
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	13	1.42
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	13	1.42
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	17	1.42
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	17	1.42
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	17	1.42
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	19	1.42
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	6	1.42
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	17	1.42
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	1	1.42
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	5	1.42
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	13	1.42
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	4	1.42
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	4	1.42
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	4	1.42
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	9	1.42
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	11	1.42
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	11	1.42
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	11	1.42
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	11	1.42
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	11	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	11	1.42
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	12	1.42
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	12	1.42
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	12	1.42
(2,1855)	1:40:A:LEU:HD21	1:40:A:LEU:HB2	14	1.42
(2,1855)	1:40:A:LEU:HD22	1:40:A:LEU:HB2	14	1.42
(2,1855)	1:40:A:LEU:HD23	1:40:A:LEU:HB2	14	1.42
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	7	1.42
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	7	1.42
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	7	1.42
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	14	1.42
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	14	1.42
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	14	1.42
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	16	1.42
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	16	1.42
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	16	1.42
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	20	1.42
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	20	1.42
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	20	1.42
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	8	1.42
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	4	1.42
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	11	1.42
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	4	1.42
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	8	1.42
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	10	1.42
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	12	1.42
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	14	1.42
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	16	1.42
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	19	1.42
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	7	1.42
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	13	1.42
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	20	1.42
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	1	1.42
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	1	1.42
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	1	1.42
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	2	1.42
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	2	1.42
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	2	1.42
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	3	1.42
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	3	1.42
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	3	1.42
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	4	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	4	1.42
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	4	1.42
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	8	1.42
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	8	1.42
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	8	1.42
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	12	1.42
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	12	1.42
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	12	1.42
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	14	1.42
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	14	1.42
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	14	1.42
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	18	1.42
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	18	1.42
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	18	1.42
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	20	1.42
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	20	1.42
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	20	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	3	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	3	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	3	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	4	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	4	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	4	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	10	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	10	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	10	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	14	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	14	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	14	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	19	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	19	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	19	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	20	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	20	1.42
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	20	1.42
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	14	1.42
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	14	1.42
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	14	1.42
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	17	1.42
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	3	1.42
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	14	1.42
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	6	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	5	1.42
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	10	1.42
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	13	1.42
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	14	1.42
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	20	1.42
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	14	1.42
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	14	1.42
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	14	1.42
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	17	1.42
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	17	1.42
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	17	1.42
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	19	1.42
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	19	1.42
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	19	1.42
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	3	1.42
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	3	1.42
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	3	1.42
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	6	1.42
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	6	1.42
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	6	1.42
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	8	1.42
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	8	1.42
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	8	1.42
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	9	1.42
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	9	1.42
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	9	1.42
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	10	1.42
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	10	1.42
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	10	1.42
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	14	1.42
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	14	1.42
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	14	1.42
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	18	1.42
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	18	1.42
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	18	1.42
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	20	1.42
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	20	1.42
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	20	1.42
(2,1271)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	6	1.42
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	2	1.42
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	4	1.42
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	6	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	14	1.42
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	15	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	1	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	1	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	1	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	4	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	4	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	4	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	5	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	5	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	5	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	13	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	13	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	13	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	16	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	16	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	16	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	18	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	18	1.42
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	18	1.42
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	3	1.42
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	3	1.42
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	3	1.42
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	4	1.42
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	4	1.42
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	4	1.42
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	19	1.42
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	19	1.42
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	19	1.42
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	7	1.42
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	9	1.42
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	1	1.42
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	2	1.42
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	3	1.42
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	5	1.42
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	6	1.42
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	8	1.42
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	9	1.42
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	10	1.42
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	12	1.42
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	15	1.42
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	19	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	14	1.42
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	12	1.42
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	6	1.42
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	6	1.42
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	6	1.42
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	10	1.42
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	10	1.42
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	10	1.42
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	15	1.42
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	15	1.42
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	15	1.42
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	20	1.42
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	20	1.42
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	20	1.42
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	4	1.42
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	12	1.42
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	1	1.42
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	9	1.42
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	15	1.42
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	1	1.42
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	2	1.42
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	13	1.42
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	14	1.42
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	17	1.42
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	1	1.42
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	1	1.42
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	1	1.42
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	5	1.42
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	5	1.42
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	5	1.42
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	8	1.42
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	8	1.42
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	8	1.42
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	10	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	1	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	2	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	4	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	5	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	7	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	8	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	9	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	10	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	12	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	13	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	14	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	16	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	17	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	18	1.42
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	20	1.42
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	4	1.42
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	8	1.42
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	6	1.42
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	10	1.42
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	16	1.42
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	17	1.42
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	2	1.42
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	3	1.42
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	5	1.42
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	17	1.42
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	16	1.42
(2,599)	1:110:A:PRO:HA	1:110:A:PRO:HB3	20	1.42
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	5	1.42
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	5	1.42
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	8	1.42
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	8	1.42
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	14	1.42
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	14	1.42
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	13	1.42
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	14	1.42
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	14	1.42
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	19	1.42
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	19	1.42
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	19	1.42
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	10	1.42
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	10	1.42
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	10	1.42
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	5	1.42
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	10	1.42
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	16	1.42
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	9	1.42
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	3	1.42
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	10	1.42
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	5	1.42
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	16	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,360)	1:101:A:ILE:H	1:101:A:ILE:HA	19	1.42
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	3	1.42
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	5	1.42
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	6	1.42
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	7	1.42
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	8	1.42
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	10	1.42
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	15	1.42
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	16	1.42
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	18	1.42
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	19	1.42
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	20	1.42
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	16	1.42
(2,295)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	19	1.42
(2,255)	1:68:A:LYS:HA	1:68:A:LYS:HB2	2	1.42
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	9	1.42
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	9	1.42
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	9	1.42
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	19	1.42
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	19	1.42
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	19	1.42
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	12	1.42
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	19	1.42
(2,171)	1:106:A:ASN:HB2	1:106:A:ASN:H	14	1.42
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	15	1.42
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	18	1.42
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	18	1.42
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	18	1.42
(2,101)	1:44:A:GLN:HB3	1:44:A:GLN:H	8	1.42
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	3	1.42
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	2	1.42
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	13	1.42
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	16	1.42
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	18	1.42
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	12	1.42
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	20	1.42
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	16	1.42
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	1	1.42
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	3	1.42
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	5	1.42
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	9	1.42
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	10	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	17	1.42
(2,13)	1:68:A:LYS:HA	1:68:A:LYS:H	2	1.42
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	13	1.42
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	15	1.42
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	9	1.42
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	9	1.42
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	9	1.42
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	15	1.42
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	15	1.42
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	15	1.42
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	18	1.42
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	18	1.42
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	18	1.42
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	19	1.42
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	19	1.42
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	19	1.42
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	6	1.41
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	3	1.41
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	3	1.41
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	3	1.41
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	14	1.41
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	11	1.41
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	11	1.41
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	11	1.41
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	14	1.41
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	14	1.41
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	14	1.41
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	3	1.41
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	3	1.41
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	3	1.41
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	10	1.41
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	5	1.41
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	17	1.41
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	20	1.41
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	1	1.41
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	2	1.41
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	4	1.41
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	7	1.41
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	9	1.41
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	10	1.41
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	11	1.41
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	16	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	19	1.41
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	11	1.41
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	11	1.41
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	18	1.41
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	18	1.41
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	9	1.41
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	5	1.41
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	10	1.41
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	9	1.41
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	6	1.41
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	11	1.41
(2,3004)	1:16:A:ASN:HB3	1:17:A:SER:H	11	1.41
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	6	1.41
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	8	1.41
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	18	1.41
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	5	1.41
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	5	1.41
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	5	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	1	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	1	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	1	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	3	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	3	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	3	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	4	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	4	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	4	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	5	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	5	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	5	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	8	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	8	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	8	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	10	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	10	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	10	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	13	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	13	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	13	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	14	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	14	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	14	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	15	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	15	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	15	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	17	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	17	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	17	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	18	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	18	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	18	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	19	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	19	1.41
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	19	1.41
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	11	1.41
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	11	1.41
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	11	1.41
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	2	1.41
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	2	1.41
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	2	1.41
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	12	1.41
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	12	1.41
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	12	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	1	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	2	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	3	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	7	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	8	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	9	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	10	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	11	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	12	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	14	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	15	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	16	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	17	1.41
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	19	1.41
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	3	1.41
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	14	1.41
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	18	1.41
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	19	1.41
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	20	1.41
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	17	1.41
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	5	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	9	1.41
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	7	1.41
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	7	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	1	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	2	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	3	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	4	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	5	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	6	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	7	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	8	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	9	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	10	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	12	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	13	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	14	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	15	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	16	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	17	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	18	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	19	1.41
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	20	1.41
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	6	1.41
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	6	1.41
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	6	1.41
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	1	1.41
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	3	1.41
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	8	1.41
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	1	1.41
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	6	1.41
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	14	1.41
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	15	1.41
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	15	1.41
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	1	1.41
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	5	1.41
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	13	1.41
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	15	1.41
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	6	1.41
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	8	1.41
(2,2336)	1:5:A:LEU:H	1:5:A:LEU:HA	9	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	1	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	1	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	1	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	2	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	2	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	2	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	3	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	3	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	3	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	4	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	4	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	4	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	5	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	5	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	5	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	6	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	6	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	6	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	7	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	7	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	7	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	8	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	8	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	8	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	9	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	9	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	9	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	10	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	10	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	10	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	12	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	12	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	12	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	13	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	13	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	13	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	14	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	14	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	14	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	15	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	15	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	15	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	16	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	16	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	16	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	17	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	17	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	17	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	18	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	18	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	18	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	19	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	19	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	19	1.41
(2,2303)	1:72:A:LEU:HD21	1:72:A:LEU:HG	20	1.41
(2,2303)	1:72:A:LEU:HD22	1:72:A:LEU:HG	20	1.41
(2,2303)	1:72:A:LEU:HD23	1:72:A:LEU:HG	20	1.41
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	4	1.41
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	6	1.41
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	9	1.41
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	14	1.41
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	4	1.41
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	4	1.41
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	4	1.41
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	5	1.41
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	5	1.41
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	5	1.41
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	8	1.41
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	8	1.41
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	8	1.41
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	11	1.41
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	11	1.41
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	11	1.41
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	12	1.41
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	12	1.41
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	12	1.41
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	16	1.41
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	16	1.41
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	16	1.41
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	17	1.41
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	17	1.41
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	17	1.41
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	18	1.41
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	18	1.41
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	18	1.41
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	2	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	8	1.41
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	8	1.41
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	8	1.41
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	9	1.41
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	13	1.41
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	19	1.41
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	1	1.41
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	18	1.41
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	19	1.41
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	1	1.41
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	1	1.41
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	1	1.41
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	12	1.41
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	12	1.41
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	12	1.41
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	18	1.41
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	18	1.41
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	18	1.41
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	17	1.41
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	1	1.41
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	3	1.41
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	8	1.41
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	10	1.41
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	20	1.41
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	1	1.41
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	1	1.41
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	1	1.41
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	3	1.41
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	3	1.41
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	3	1.41
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	6	1.41
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	6	1.41
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	6	1.41
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	15	1.41
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	15	1.41
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	15	1.41
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	9	1.41
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	12	1.41
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	7	1.41
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	12	1.41
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	14	1.41
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	10	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	10	1.41
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	10	1.41
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	12	1.41
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	12	1.41
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	12	1.41
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	1	1.41
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	1	1.41
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	1	1.41
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB1	6	1.41
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB2	6	1.41
(2,1891)	1:26:A:THR:HB	1:19:A:ALA:HB3	6	1.41
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	17	1.41
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	3	1.41
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	3	1.41
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	3	1.41
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	4	1.41
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	4	1.41
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	4	1.41
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	10	1.41
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	10	1.41
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	10	1.41
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG21	17	1.41
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG22	17	1.41
(2,1854)	1:85:A:ALA:H	1:84:A:ILE:HG23	17	1.41
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	2	1.41
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	9	1.41
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	15	1.41
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	2	1.41
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	5	1.41
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	6	1.41
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	7	1.41
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	9	1.41
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	11	1.41
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	15	1.41
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	17	1.41
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	18	1.41
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	20	1.41
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	11	1.41
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	19	1.41
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	17	1.41
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	17	1.41
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	17	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	6	1.41
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	6	1.41
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	6	1.41
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	7	1.41
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	7	1.41
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	7	1.41
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	15	1.41
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	15	1.41
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	15	1.41
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	16	1.41
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	16	1.41
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	16	1.41
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	5	1.41
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	5	1.41
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	5	1.41
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	5	1.41
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	7	1.41
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	16	1.41
(2,1635)	1:7:A:TYR:H	1:6:A:THR:HB	4	1.41
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	3	1.41
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	6	1.41
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	12	1.41
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	15	1.41
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	1	1.41
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	2	1.41
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	7	1.41
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	1	1.41
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	20	1.41
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	1	1.41
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	16	1.41
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	11	1.41
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	11	1.41
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	11	1.41
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	14	1.41
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	14	1.41
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	14	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	1	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	3	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	4	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	6	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	7	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	8	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	9	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	11	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	12	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	15	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	16	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	17	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	18	1.41
(2,1374)	1:86:A:VAL:HA	1:86:A:VAL:H	19	1.41
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	8	1.41
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	8	1.41
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	8	1.41
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	10	1.41
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	10	1.41
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	10	1.41
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	18	1.41
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	18	1.41
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	18	1.41
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	2	1.41
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	2	1.41
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	2	1.41
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	5	1.41
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	5	1.41
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	5	1.41
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	15	1.41
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	15	1.41
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	15	1.41
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	16	1.41
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	16	1.41
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	16	1.41
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	17	1.41
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	17	1.41
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	17	1.41
(2,1297)	1:29:A:LEU:HD21	1:29:A:LEU:HG	19	1.41
(2,1297)	1:29:A:LEU:HD22	1:29:A:LEU:HG	19	1.41
(2,1297)	1:29:A:LEU:HD23	1:29:A:LEU:HG	19	1.41
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	3	1.41
(2,1175)	1:97:A:GLU:HB3	1:97:A:GLU:HA	12	1.41
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	1	1.41
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	18	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	2	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	2	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	2	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	3	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	3	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	3	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	7	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	7	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	7	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	10	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	10	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	10	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	12	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	12	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	12	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	14	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	14	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	14	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	15	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	15	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	15	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	17	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	17	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	17	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	20	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	20	1.41
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	20	1.41
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	10	1.41
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	10	1.41
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	10	1.41
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	20	1.41
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	20	1.41
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	20	1.41
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	8	1.41
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	13	1.41
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	7	1.41
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	11	1.41
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	14	1.41
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	16	1.41
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	17	1.41
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	18	1.41
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	20	1.41
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	1	1.41
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	1	1.41
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	1	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	20	1.41
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	20	1.41
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	20	1.41
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	11	1.41
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	8	1.41
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	8	1.41
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	8	1.41
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	13	1.41
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	13	1.41
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	13	1.41
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	9	1.41
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	12	1.41
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	9	1.41
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	10	1.41
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	15	1.41
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	18	1.41
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	19	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	2	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	2	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	2	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	3	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	3	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	3	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	4	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	4	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	4	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	6	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	6	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	6	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	7	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	7	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	7	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	9	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	9	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	9	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	10	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	10	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	10	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	11	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	11	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	11	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	12	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	12	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	12	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	13	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	13	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	13	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	14	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	14	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	14	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	15	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	15	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	15	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	16	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	16	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	16	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	17	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	17	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	17	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	18	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	18	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	18	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	19	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	19	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	19	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB1	20	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB2	20	1.41
(2,834)	1:32:A:ALA:HA	1:32:A:ALA:HB3	20	1.41
(2,769)	1:72:A:LEU:HB3	1:72:A:LEU:HA	19	1.41
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	9	1.41
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	10	1.41
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	13	1.41
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	2	1.41
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	4	1.41
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	8	1.41
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	13	1.41
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD1	2	1.41
(2,593)	1:22:A:PHE:HA	1:22:A:PHE:HD2	2	1.41
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	5	1.41
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	15	1.41
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	3	1.41
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	3	1.41
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	4	1.41
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	4	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	7	1.41
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	7	1.41
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	11	1.41
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	11	1.41
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	12	1.41
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	12	1.41
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	3	1.41
(2,495)	1:100:A:ILE:HG13	1:100:A:ILE:HA	9	1.41
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	7	1.41
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	7	1.41
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	7	1.41
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	4	1.41
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	6	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	1	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	2	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	4	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	5	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	6	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	7	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	8	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	9	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	12	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	13	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	14	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	15	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	16	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	17	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	19	1.41
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	20	1.41
(2,353)	1:150:A:VAL:HA	1:150:A:VAL:H	1	1.41
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	3	1.41
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	7	1.41
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	13	1.41
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	20	1.41
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	20	1.41
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	20	1.41
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	1	1.41
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	13	1.41
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	15	1.41
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	18	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	5	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	5	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	5	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	7	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	7	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	7	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	10	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	10	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	10	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	11	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	11	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	11	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	12	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	12	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	12	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	13	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	13	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	13	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	17	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	17	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	17	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	18	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	18	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	18	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	20	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	20	1.41
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	20	1.41
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	17	1.41
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	10	1.41
(2,131)	1:120:A:LYS:HA	1:120:A:LYS:HB2	4	1.41
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	8	1.41
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	16	1.41
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	18	1.41
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	4	1.41
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	5	1.41
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	10	1.41
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	8	1.41
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	19	1.41
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	4	1.41
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	12	1.41
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	14	1.41
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	15	1.41
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	18	1.41
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	19	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	1	1.41
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	2	1.41
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	3	1.41
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	5	1.41
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	6	1.41
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	8	1.41
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	9	1.41
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	10	1.41
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	12	1.41
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	14	1.41
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	17	1.41
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	19	1.41
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	8	1.41
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	8	1.41
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	8	1.41
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	13	1.41
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	13	1.41
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	13	1.41
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	16	1.41
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	16	1.41
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	16	1.41
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	20	1.41
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	20	1.41
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	20	1.41
(1,7)	1:123:A:TYR:HE1	1:122:A:HIS:HB2	8	1.41
(1,7)	1:123:A:TYR:HE2	1:122:A:HIS:HB2	8	1.41
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	12	1.4
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	12	1.4
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	12	1.4
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	16	1.4
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	16	1.4
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	16	1.4
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	11	1.4
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	10	1.4
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	15	1.4
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	12	1.4
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	12	1.4
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	12	1.4
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	13	1.4
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	13	1.4
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	13	1.4
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	18	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	18	1.4
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	18	1.4
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	10	1.4
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	2	1.4
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	14	1.4
(4,379)	1:153:A:LEU:HD11	1:153:A:LEU:H	15	1.4
(4,379)	1:153:A:LEU:HD12	1:153:A:LEU:H	15	1.4
(4,379)	1:153:A:LEU:HD13	1:153:A:LEU:H	15	1.4
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	10	1.4
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	16	1.4
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	13	1.4
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	14	1.4
(4,27)	1:33:A:ASN:HB2	1:33:A:ASN:HD21	18	1.4
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	3	1.4
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	3	1.4
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	19	1.4
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	19	1.4
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	20	1.4
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	18	1.4
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	2	1.4
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	9	1.4
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	10	1.4
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	10	1.4
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	10	1.4
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	1	1.4
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	17	1.4
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	4	1.4
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	4	1.4
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	4	1.4
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	16	1.4
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	16	1.4
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	16	1.4
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	18	1.4
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	18	1.4
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	18	1.4
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	19	1.4
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	19	1.4
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	19	1.4
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	16	1.4
(2,3052)	1:105:A:ARG:HB2	1:105:A:ARG:HA	18	1.4
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	5	1.4
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	7	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	8	1.4
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	8	1.4
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	8	1.4
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	10	1.4
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	16	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	2	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	2	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	2	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	6	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	6	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	6	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	7	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	7	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	7	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	9	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	9	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	9	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	11	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	11	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	11	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	12	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	12	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	12	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	16	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	16	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	16	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB1	20	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB2	20	1.4
(2,2929)	1:27:A:ALA:HA	1:27:A:ALA:HB3	20	1.4
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	6	1.4
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	6	1.4
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	6	1.4
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	6	1.4
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	6	1.4
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	6	1.4
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	13	1.4
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	13	1.4
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	13	1.4
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	17	1.4
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	17	1.4
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	17	1.4
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	5	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	6	1.4
(2,2856)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	13	1.4
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	17	1.4
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	11	1.4
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	11	1.4
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	1	1.4
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	5	1.4
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	9	1.4
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	2	1.4
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	4	1.4
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	4	1.4
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	6	1.4
(2,2569)	1:120:A:LYS:HA	1:120:A:LYS:H	11	1.4
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	7	1.4
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	7	1.4
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	7	1.4
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	10	1.4
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	4	1.4
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	10	1.4
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	7	1.4
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	12	1.4
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	18	1.4
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	1	1.4
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	6	1.4
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	9	1.4
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	11	1.4
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	12	1.4
(2,2493)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	18	1.4
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	20	1.4
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	11	1.4
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	18	1.4
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	6	1.4
(2,2412)	1:128:A:THR:HA	1:128:A:THR:H	6	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	2	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	2	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	2	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	3	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	3	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	3	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	4	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	4	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	4	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	5	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	5	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	5	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	6	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	6	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	6	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	7	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	7	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	7	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	8	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	8	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	8	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	9	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	9	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	9	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	10	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	10	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	10	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	12	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	12	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	12	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	13	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	13	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	13	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	14	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	14	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	14	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	15	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	15	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	15	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	16	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	16	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	16	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	17	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	17	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	17	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	19	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	19	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	19	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	20	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	20	1.4
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	20	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	2	1.4
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	6	1.4
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	7	1.4
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	10	1.4
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	14	1.4
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	17	1.4
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	6	1.4
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	6	1.4
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	6	1.4
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	13	1.4
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	13	1.4
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	13	1.4
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	1	1.4
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	3	1.4
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	5	1.4
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	7	1.4
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	8	1.4
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	12	1.4
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	16	1.4
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	18	1.4
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	19	1.4
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	2	1.4
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	2	1.4
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	2	1.4
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	14	1.4
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	14	1.4
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	14	1.4
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	19	1.4
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	19	1.4
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	19	1.4
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	18	1.4
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	2	1.4
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	10	1.4
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	14	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	1	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	1	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	1	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	2	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	2	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	2	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	3	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	3	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	3	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	4	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	4	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	4	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	6	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	6	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	6	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	7	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	7	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	7	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	9	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	9	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	9	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	10	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	10	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	10	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	11	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	11	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	11	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	12	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	12	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	12	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	13	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	13	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	13	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	14	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	14	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	14	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	15	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	15	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	15	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	16	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	16	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	16	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	17	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	17	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	17	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	18	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	18	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	18	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	19	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	19	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	19	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB1	20	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB2	20	1.4
(2,2164)	1:28:A:ALA:HA	1:28:A:ALA:HB3	20	1.4
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	6	1.4
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	13	1.4
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	11	1.4
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	11	1.4
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	11	1.4
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	16	1.4
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	16	1.4
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	16	1.4
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	2	1.4
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	4	1.4
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	10	1.4
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	2	1.4
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	4	1.4
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	5	1.4
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	9	1.4
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	11	1.4
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	12	1.4
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	14	1.4
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	15	1.4
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	16	1.4
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	17	1.4
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	18	1.4
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	19	1.4
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	12	1.4
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	12	1.4
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	12	1.4
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	19	1.4
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	19	1.4
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	19	1.4
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	20	1.4
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	20	1.4
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	20	1.4
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	15	1.4
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	19	1.4
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	4	1.4
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	6	1.4
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	8	1.4
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	9	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	14	1.4
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	15	1.4
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	20	1.4
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	5	1.4
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	5	1.4
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	5	1.4
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	17	1.4
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	17	1.4
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	17	1.4
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	18	1.4
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	18	1.4
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	18	1.4
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	19	1.4
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	19	1.4
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	19	1.4
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	13	1.4
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	13	1.4
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	13	1.4
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	3	1.4
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	3	1.4
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	3	1.4
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	8	1.4
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	8	1.4
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	8	1.4
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	9	1.4
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	9	1.4
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	9	1.4
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	12	1.4
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	12	1.4
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	12	1.4
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	13	1.4
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	13	1.4
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	13	1.4
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	19	1.4
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	19	1.4
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	19	1.4
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	11	1.4
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	6	1.4
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	12	1.4
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	17	1.4
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	1	1.4
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	3	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	4	1.4
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	5	1.4
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	9	1.4
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	12	1.4
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	14	1.4
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	15	1.4
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	8	1.4
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	4	1.4
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	4	1.4
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	4	1.4
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	11	1.4
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	11	1.4
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	11	1.4
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	17	1.4
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	17	1.4
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	17	1.4
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	19	1.4
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	19	1.4
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	19	1.4
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB1	11	1.4
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB2	11	1.4
(2,1668)	1:42:A:ALA:H	1:42:A:ALA:HB3	11	1.4
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	1	1.4
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	10	1.4
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	3	1.4
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	9	1.4
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	10	1.4
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	13	1.4
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	16	1.4
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	19	1.4
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	20	1.4
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	7	1.4
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	5	1.4
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	6	1.4
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	17	1.4
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	8	1.4
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	9	1.4
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	12	1.4
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	15	1.4
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	19	1.4
(2,1428)	1:115:A:TRP:HA	1:116:A:LEU:H	6	1.4
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	2	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	2	1.4
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	2	1.4
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	5	1.4
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	5	1.4
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	5	1.4
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	7	1.4
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	7	1.4
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	7	1.4
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	8	1.4
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	8	1.4
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	8	1.4
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	9	1.4
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	9	1.4
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	9	1.4
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	10	1.4
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	10	1.4
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	10	1.4
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	12	1.4
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	12	1.4
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	12	1.4
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	13	1.4
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	13	1.4
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	13	1.4
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	15	1.4
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	15	1.4
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	15	1.4
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	16	1.4
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	16	1.4
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	16	1.4
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	18	1.4
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	18	1.4
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	18	1.4
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	9	1.4
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	9	1.4
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	9	1.4
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	13	1.4
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	13	1.4
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	13	1.4
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	18	1.4
(2,1169)	1:23:A:ARG:HD3	1:23:A:ARG:HB2	20	1.4
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	5	1.4
(2,1148)	1:161:A:THR:HA	1:162:A:ARG:H	11	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	6	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	6	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	6	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	8	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	8	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	8	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	9	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	9	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	9	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	11	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	11	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	11	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD11	19	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD12	19	1.4
(2,1058)	1:61:A:ILE:HB	1:61:A:ILE:HD13	19	1.4
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	13	1.4
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	13	1.4
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	13	1.4
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	12	1.4
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	12	1.4
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	12	1.4
(2,939)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	4	1.4
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	4	1.4
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	3	1.4
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	13	1.4
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	16	1.4
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	19	1.4
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	20	1.4
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	1	1.4
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	13	1.4
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	6	1.4
(2,847)	1:6:A:THR:H	1:5:A:LEU:HA	8	1.4
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	16	1.4
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	15	1.4
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	5	1.4
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	6	1.4
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	9	1.4
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	7	1.4
(2,626)	1:21:A:ASP:HA	1:21:A:ASP:HB2	8	1.4
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	4	1.4
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	2	1.4
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	2	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	18	1.4
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	18	1.4
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	8	1.4
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	8	1.4
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	8	1.4
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	13	1.4
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	17	1.4
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	17	1.4
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	17	1.4
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	4	1.4
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	11	1.4
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	4	1.4
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	17	1.4
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	11	1.4
(2,386)	1:160:A:GLY:HA3	1:160:A:GLY:H	18	1.4
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	8	1.4
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	8	1.4
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	8	1.4
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	7	1.4
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	8	1.4
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	20	1.4
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	1	1.4
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	1	1.4
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	1	1.4
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	2	1.4
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	2	1.4
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	2	1.4
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	10	1.4
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	10	1.4
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	10	1.4
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	13	1.4
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	13	1.4
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	13	1.4
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	5	1.4
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	20	1.4
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	4	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	1	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	1	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	1	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	2	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	2	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	2	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	3	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	3	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	3	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	4	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	4	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	4	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	6	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	6	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	6	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	8	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	8	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	8	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	14	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	14	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	14	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	15	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	15	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	15	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD11	16	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD12	16	1.4
(2,200)	1:24:A:ILE:HB	1:24:A:ILE:HD13	16	1.4
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	4	1.4
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	5	1.4
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	7	1.4
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	16	1.4
(2,132)	1:77:A:ARG:HG2	1:77:A:ARG:HA	16	1.4
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	4	1.4
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	6	1.4
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	9	1.4
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	14	1.4
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	17	1.4
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	3	1.4
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	13	1.4
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	19	1.4
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	8	1.4
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	4	1.4
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	7	1.4
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	11	1.4
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	16	1.4
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	18	1.4
(2,10)	1:110:A:PRO:HG2	1:110:A:PRO:HD2	20	1.4
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	4	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	4	1.39
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	4	1.39
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	13	1.39
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	13	1.39
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	13	1.39
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	17	1.39
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	17	1.39
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	17	1.39
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	20	1.39
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	20	1.39
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	20	1.39
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	8	1.39
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	19	1.39
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	20	1.39
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	20	1.39
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	20	1.39
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	4	1.39
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	6	1.39
(4,931)	1:13:A:ASP:H	1:12:A:GLY:H	13	1.39
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	5	1.39
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	10	1.39
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	10	1.39
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	10	1.39
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	16	1.39
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	16	1.39
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	16	1.39
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	17	1.39
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	17	1.39
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	17	1.39
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	20	1.39
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	20	1.39
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	20	1.39
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	1	1.39
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	2	1.39
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	3	1.39
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	4	1.39
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	13	1.39
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	15	1.39
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	4	1.39
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	4	1.39
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	6	1.39
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	6	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	6	1.39
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	12	1.39
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	3	1.39
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	3	1.39
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	3	1.39
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	17	1.39
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	17	1.39
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	17	1.39
(2,3020)	1:23:A:ARG:HB2	1:23:A:ARG:H	19	1.39
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	7	1.39
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	7	1.39
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	7	1.39
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	15	1.39
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	15	1.39
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	15	1.39
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	2	1.39
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	17	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	1	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	1	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	1	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	4	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	4	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	4	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	6	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	6	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	6	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	8	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	8	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	8	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	9	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	9	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	9	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	10	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	10	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	10	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	13	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	13	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	13	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	14	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	14	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	14	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	15	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	15	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	15	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	16	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	16	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	16	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	17	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	17	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	17	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	18	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	18	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	18	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	19	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	19	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	19	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	20	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	20	1.39
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	20	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	1	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	1	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	1	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	2	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	2	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	2	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	3	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	3	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	3	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	4	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	4	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	4	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	5	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	5	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	5	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	7	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	7	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	7	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	9	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	9	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	9	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	10	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	10	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	10	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	12	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	12	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	12	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	13	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	13	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	13	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	14	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	14	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	14	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	15	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	15	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	15	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	16	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	16	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	16	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	17	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	17	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	17	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	18	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	18	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	18	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	19	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	19	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	19	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB1	20	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB2	20	1.39
(2,2925)	1:20:A:ALA:HA	1:20:A:ALA:HB3	20	1.39
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	5	1.39
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	5	1.39
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	5	1.39
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	19	1.39
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	19	1.39
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	19	1.39
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	19	1.39
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	2	1.39
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	6	1.39
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	7	1.39
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	8	1.39
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	11	1.39
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	12	1.39
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	15	1.39
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	16	1.39
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	3	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	18	1.39
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	20	1.39
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	13	1.39
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	11	1.39
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	1	1.39
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	1	1.39
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	3	1.39
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	3	1.39
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	6	1.39
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	6	1.39
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	10	1.39
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	10	1.39
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	13	1.39
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	13	1.39
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	7	1.39
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	4	1.39
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	18	1.39
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	20	1.39
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	9	1.39
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	1	1.39
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	5	1.39
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	6	1.39
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	8	1.39
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	9	1.39
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	13	1.39
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	15	1.39
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	1	1.39
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	1	1.39
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	1	1.39
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	2	1.39
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	2	1.39
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	2	1.39
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	4	1.39
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	4	1.39
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	4	1.39
(2,2520)	1:15:A:LEU:HD11	1:26:A:THR:HA	5	1.39
(2,2520)	1:15:A:LEU:HD12	1:26:A:THR:HA	5	1.39
(2,2520)	1:15:A:LEU:HD13	1:26:A:THR:HA	5	1.39
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	7	1.39
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	13	1.39
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	15	1.39
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	16	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	17	1.39
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	20	1.39
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	2	1.39
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	5	1.39
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	8	1.39
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	3	1.39
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	19	1.39
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	2	1.39
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	13	1.39
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	20	1.39
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	1	1.39
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	1	1.39
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	1	1.39
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	11	1.39
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	11	1.39
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	11	1.39
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB1	18	1.39
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB2	18	1.39
(2,2374)	1:67:A:ALA:HA	1:67:A:ALA:HB3	18	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	1	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	2	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	3	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	4	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	5	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	6	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	7	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	8	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	9	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	10	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	11	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	12	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	13	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	14	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	15	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	16	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	17	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	18	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	19	1.39
(2,2340)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	20	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	1	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	1	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	1	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	2	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	2	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	2	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	3	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	3	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	3	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	4	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	4	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	4	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	5	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	5	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	5	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	7	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	7	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	7	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	8	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	8	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	8	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	9	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	9	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	9	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	10	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	10	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	10	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	11	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	11	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	11	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	12	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	12	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	12	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	14	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	14	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	14	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	15	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	15	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	15	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	16	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	16	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	16	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	17	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	17	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	17	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	18	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	18	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	18	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	19	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	19	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	19	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG21	20	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG22	20	1.39
(2,2310)	1:14:A:THR:HB	1:14:A:THR:HG23	20	1.39
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	2	1.39
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	10	1.39
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	13	1.39
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	15	1.39
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	17	1.39
(2,2283)	1:69:A:THR:HB	1:69:A:THR:HA	20	1.39
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	7	1.39
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	7	1.39
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	7	1.39
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	20	1.39
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	20	1.39
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	20	1.39
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	3	1.39
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	7	1.39
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	7	1.39
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	7	1.39
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	1	1.39
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	9	1.39
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	8	1.39
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	11	1.39
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	20	1.39
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	2	1.39
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	5	1.39
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	7	1.39
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	15	1.39
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	19	1.39
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	20	1.39
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	8	1.39
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	11	1.39
(2,2054)	1:103:A:ARG:HD3	1:103:A:ARG:HG3	13	1.39
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	7	1.39
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	7	1.39
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	7	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	8	1.39
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	8	1.39
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	8	1.39
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	16	1.39
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	16	1.39
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	16	1.39
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	19	1.39
(2,2033)	1:140:A:LYS:HA	1:140:A:LYS:HB2	3	1.39
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	10	1.39
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	19	1.39
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	4	1.39
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	3	1.39
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	3	1.39
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	3	1.39
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	11	1.39
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	11	1.39
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	11	1.39
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	18	1.39
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	18	1.39
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	18	1.39
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	3	1.39
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	4	1.39
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	7	1.39
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	20	1.39
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	5	1.39
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	5	1.39
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	5	1.39
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	10	1.39
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	10	1.39
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	10	1.39
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	18	1.39
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	18	1.39
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	18	1.39
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	10	1.39
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	12	1.39
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	14	1.39
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	19	1.39
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	18	1.39
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	1	1.39
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	4	1.39
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	18	1.39
(2,1760)	1:80:A:LYS:HB3	1:80:A:LYS:HG3	20	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	3	1.39
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	2	1.39
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	6	1.39
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	10	1.39
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	16	1.39
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	17	1.39
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	18	1.39
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	15	1.39
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	13	1.39
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	13	1.39
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	13	1.39
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	3	1.39
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	9	1.39
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	9	1.39
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	9	1.39
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	10	1.39
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	10	1.39
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	10	1.39
(2,1690)	1:57:A:ILE:HG21	1:57:A:ILE:H	13	1.39
(2,1690)	1:57:A:ILE:HG22	1:57:A:ILE:H	13	1.39
(2,1690)	1:57:A:ILE:HG23	1:57:A:ILE:H	13	1.39
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	3	1.39
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	7	1.39
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	7	1.39
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	7	1.39
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	20	1.39
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	20	1.39
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	20	1.39
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	16	1.39
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	20	1.39
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	1	1.39
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	2	1.39
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	4	1.39
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	5	1.39
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	6	1.39
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	7	1.39
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	8	1.39
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	11	1.39
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	12	1.39
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	14	1.39
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	15	1.39
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	17	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1571)	1:161:A:THR:HA	1:161:A:THR:HB	18	1.39
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	5	1.39
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	19	1.39
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	20	1.39
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	10	1.39
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	5	1.39
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	10	1.39
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	3	1.39
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	11	1.39
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	11	1.39
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	11	1.39
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	12	1.39
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	12	1.39
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	12	1.39
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	16	1.39
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	16	1.39
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	16	1.39
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	20	1.39
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	20	1.39
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	20	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	1	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	2	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	3	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	4	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	5	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	6	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	7	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	8	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	9	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	10	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	11	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	12	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	13	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	14	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	15	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	16	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	17	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	18	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	19	1.39
(2,1426)	1:120:A:LYS:HD2	1:120:A:LYS:HD3	20	1.39
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	1	1.39
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	1	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	1	1.39
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	3	1.39
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	3	1.39
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	3	1.39
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	4	1.39
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	4	1.39
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	4	1.39
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	6	1.39
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	6	1.39
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	6	1.39
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	19	1.39
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	19	1.39
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	19	1.39
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	20	1.39
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	20	1.39
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	20	1.39
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	5	1.39
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	13	1.39
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	20	1.39
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	3	1.39
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	3	1.39
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	3	1.39
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	19	1.39
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	20	1.39
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	13	1.39
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	1	1.39
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	1	1.39
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	1	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	9	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	9	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	9	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	12	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	12	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	12	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	14	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	14	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	14	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	18	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	18	1.39
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	18	1.39
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	14	1.39
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	8	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	8	1.39
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	8	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	1	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	2	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	4	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	5	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	6	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	7	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	8	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	9	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	10	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	11	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	12	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	14	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	15	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	17	1.39
(2,877)	1:70:A:LEU:H	1:70:A:LEU:HA	18	1.39
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	6	1.39
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	16	1.39
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	16	1.39
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	5	1.39
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	14	1.39
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	10	1.39
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	19	1.39
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	2	1.39
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	10	1.39
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	19	1.39
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	11	1.39
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	14	1.39
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	16	1.39
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	5	1.39
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	5	1.39
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	5	1.39
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	5	1.39
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	5	1.39
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	5	1.39
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	5	1.39
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	5	1.39
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	5	1.39
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	9	1.39
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	9	1.39
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	9	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	9	1.39
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	9	1.39
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	9	1.39
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	9	1.39
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	9	1.39
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	9	1.39
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	11	1.39
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	16	1.39
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	13	1.39
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	13	1.39
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	14	1.39
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	18	1.39
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	18	1.39
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	18	1.39
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	19	1.39
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	3	1.39
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	3	1.39
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	3	1.39
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	1	1.39
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	3	1.39
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	19	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	1	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	2	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	3	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	4	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	5	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	6	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	7	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	8	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	9	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	10	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	11	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	12	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	13	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	14	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	15	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	16	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	17	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	18	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	19	1.39
(2,328)	1:110:A:PRO:HD2	1:110:A:PRO:HD3	20	1.39
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	1	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	8	1.39
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	13	1.39
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	20	1.39
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	5	1.39
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	8	1.39
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	14	1.39
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	19	1.39
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	3	1.39
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	3	1.39
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	3	1.39
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	5	1.39
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	5	1.39
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	5	1.39
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	6	1.39
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	6	1.39
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	6	1.39
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	18	1.39
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	18	1.39
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	18	1.39
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	19	1.39
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	19	1.39
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	19	1.39
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	1	1.39
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	2	1.39
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	14	1.39
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	17	1.39
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	17	1.39
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	6	1.39
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	10	1.39
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	13	1.39
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	14	1.39
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	18	1.39
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	1	1.39
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	16	1.39
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	16	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	2	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	2	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	2	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	3	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	3	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	3	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	4	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	4	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	4	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	5	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	5	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	5	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	6	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	6	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	6	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	8	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	8	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	8	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	9	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	9	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	9	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	10	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	10	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	10	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	11	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	11	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	11	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	13	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	13	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	13	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	14	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	14	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	14	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	17	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	17	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	17	1.39
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	19	1.39
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	19	1.39
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	19	1.39
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	2	1.39
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	5	1.39
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	6	1.39
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	18	1.39
(2,19)	1:43:A:GLY:HA2	1:43:A:GLY:H	6	1.39
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	20	1.38
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	9	1.38
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	9	1.38
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	9	1.38
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	14	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	14	1.38
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	14	1.38
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	5	1.38
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	5	1.38
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	5	1.38
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	8	1.38
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	8	1.38
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	8	1.38
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	9	1.38
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	9	1.38
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	9	1.38
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	19	1.38
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	7	1.38
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	8	1.38
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	2	1.38
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	2	1.38
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	13	1.38
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	17	1.38
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	3	1.38
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	17	1.38
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	12	1.38
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	12	1.38
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	12	1.38
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	2	1.38
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	6	1.38
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	8	1.38
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	11	1.38
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	15	1.38
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	16	1.38
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	20	1.38
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	11	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	2	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	2	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	2	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	3	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	3	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	3	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	7	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	7	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	7	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	11	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	11	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	11	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB1	12	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB2	12	1.38
(2,2939)	1:28:A:ALA:HA	1:28:A:ALA:HB3	12	1.38
(2,2874)	1:70:A:LEU:HD11	1:70:A:LEU:HA	14	1.38
(2,2874)	1:70:A:LEU:HD12	1:70:A:LEU:HA	14	1.38
(2,2874)	1:70:A:LEU:HD13	1:70:A:LEU:HA	14	1.38
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	1	1.38
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	4	1.38
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	5	1.38
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	9	1.38
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	10	1.38
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	14	1.38
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	17	1.38
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	18	1.38
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	19	1.38
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	20	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	1	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	4	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	5	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	6	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	7	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	8	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	9	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	10	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	12	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	15	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	16	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	17	1.38
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	19	1.38
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	19	1.38
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	10	1.38
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	15	1.38
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	4	1.38
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	20	1.38
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	12	1.38
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	16	1.38
(2,2755)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	17	1.38
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	2	1.38
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	2	1.38
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	8	1.38
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	8	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	14	1.38
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	14	1.38
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	15	1.38
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	15	1.38
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	18	1.38
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	18	1.38
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	14	1.38
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	9	1.38
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	10	1.38
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	13	1.38
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	14	1.38
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	17	1.38
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	19	1.38
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	7	1.38
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	17	1.38
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	19	1.38
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	14	1.38
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	2	1.38
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	3	1.38
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	4	1.38
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	7	1.38
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	11	1.38
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	12	1.38
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	16	1.38
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	17	1.38
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	18	1.38
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	19	1.38
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	19	1.38
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	19	1.38
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	19	1.38
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	16	1.38
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	1	1.38
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	2	1.38
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	5	1.38
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	14	1.38
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	19	1.38
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	4	1.38
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	15	1.38
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	20	1.38
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	20	1.38
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	16	1.38
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	11	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	9	1.38
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	17	1.38
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	6	1.38
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	6	1.38
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	6	1.38
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	9	1.38
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	9	1.38
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	9	1.38
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	10	1.38
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	10	1.38
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	10	1.38
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	5	1.38
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	13	1.38
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	15	1.38
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	1	1.38
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	16	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	1	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	2	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	3	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	4	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	5	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	6	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	7	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	8	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	9	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	10	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	11	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	12	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	13	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	14	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	15	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	16	1.38
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	18	1.38
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	20	1.38
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	20	1.38
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	20	1.38
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	16	1.38
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	18	1.38
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	4	1.38
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	4	1.38
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	4	1.38
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	5	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	5	1.38
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	5	1.38
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	11	1.38
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	11	1.38
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	11	1.38
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	14	1.38
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	14	1.38
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	14	1.38
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	15	1.38
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	11	1.38
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	11	1.38
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	11	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	1	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	2	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	5	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	6	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	8	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	9	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	10	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	11	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	12	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	13	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	14	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	15	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	16	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	17	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	18	1.38
(2,1935)	1:130:A:ASN:HA	1:130:A:ASN:H	19	1.38
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	10	1.38
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	10	1.38
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	10	1.38
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	2	1.38
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	2	1.38
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	2	1.38
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	6	1.38
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	6	1.38
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	6	1.38
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	7	1.38
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	7	1.38
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	7	1.38
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	14	1.38
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	14	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	14	1.38
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	15	1.38
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	15	1.38
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	15	1.38
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	20	1.38
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	19	1.38
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	8	1.38
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	3	1.38
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	6	1.38
(2,1751)	1:48:A:ILE:HB	1:48:A:ILE:H	1	1.38
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	4	1.38
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	3	1.38
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	3	1.38
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	3	1.38
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	3	1.38
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	7	1.38
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	10	1.38
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	13	1.38
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	13	1.38
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	13	1.38
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	2	1.38
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	6	1.38
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	19	1.38
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	5	1.38
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	13	1.38
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	19	1.38
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	2	1.38
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	3	1.38
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	4	1.38
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	13	1.38
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	15	1.38
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	16	1.38
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	9	1.38
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	12	1.38
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	3	1.38
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	13	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	4	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	4	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	4	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	5	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	5	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	5	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	10	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	10	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	10	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	13	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	13	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	13	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	17	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	17	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	17	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	18	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	18	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	18	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	19	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	19	1.38
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	19	1.38
(2,1409)	1:128:A:THR:HG21	1:128:A:THR:HA	17	1.38
(2,1409)	1:128:A:THR:HG22	1:128:A:THR:HA	17	1.38
(2,1409)	1:128:A:THR:HG23	1:128:A:THR:HA	17	1.38
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	15	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	1	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	2	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	3	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	4	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	6	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	7	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	8	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	9	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	10	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	11	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	12	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	14	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	15	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	16	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	18	1.38
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	19	1.38
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	3	1.38
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	3	1.38
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	3	1.38
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	14	1.38
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	20	1.38
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	5	1.38
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	8	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	9	1.38
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	11	1.38
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	16	1.38
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	17	1.38
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	9	1.38
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	4	1.38
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	14	1.38
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	18	1.38
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	20	1.38
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	1	1.38
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	1	1.38
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	1	1.38
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	15	1.38
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	15	1.38
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	17	1.38
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	17	1.38
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	11	1.38
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	18	1.38
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	2	1.38
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	2	1.38
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	2	1.38
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	8	1.38
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	8	1.38
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	8	1.38
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	3	1.38
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	3	1.38
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	3	1.38
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	5	1.38
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	5	1.38
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	5	1.38
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	19	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	1	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	1	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	1	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	2	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	2	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	2	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	3	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	3	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	3	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	4	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	4	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	4	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	5	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	5	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	5	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	6	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	6	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	6	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	7	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	7	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	7	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	8	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	8	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	8	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	9	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	9	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	9	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	10	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	10	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	10	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	11	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	11	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	11	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	12	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	12	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	12	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	13	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	13	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	13	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	14	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	14	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	14	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	15	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	15	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	15	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	16	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	16	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	16	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	17	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	17	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	17	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	18	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	18	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	18	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	19	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	19	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	19	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB1	20	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB2	20	1.38
(2,964)	1:27:A:ALA:HA	1:27:A:ALA:HB3	20	1.38
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	10	1.38
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	3	1.38
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	3	1.38
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	3	1.38
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	17	1.38
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	6	1.38
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	7	1.38
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	6	1.38
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	15	1.38
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	2	1.38
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	3	1.38
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	4	1.38
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	5	1.38
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	9	1.38
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	12	1.38
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	14	1.38
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	16	1.38
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	17	1.38
(2,792)	1:116:A:LEU:HD21	1:116:A:LEU:HA	6	1.38
(2,792)	1:116:A:LEU:HD22	1:116:A:LEU:HA	6	1.38
(2,792)	1:116:A:LEU:HD23	1:116:A:LEU:HA	6	1.38
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	19	1.38
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	1	1.38
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	12	1.38
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	15	1.38
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	18	1.38
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	20	1.38
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	20	1.38
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	20	1.38
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	4	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	3	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	3	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	3	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	3	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	3	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	3	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	3	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	3	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	3	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	10	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	10	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	10	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	10	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	10	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	10	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	10	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	10	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	10	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	13	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	13	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	13	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	13	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	13	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	13	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	13	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	13	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	13	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	15	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	15	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	15	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	15	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	15	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	15	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	15	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	15	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	15	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	16	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	16	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	16	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	16	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	16	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	16	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	16	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	16	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	16	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	20	1.38
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	20	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	20	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	20	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	20	1.38
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	20	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	20	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	20	1.38
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	20	1.38
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	6	1.38
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	1	1.38
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	1	1.38
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	20	1.38
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	20	1.38
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	17	1.38
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	17	1.38
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	17	1.38
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	2	1.38
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	2	1.38
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	2	1.38
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	15	1.38
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	15	1.38
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	15	1.38
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	3	1.38
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	2	1.38
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	6	1.38
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	7	1.38
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	9	1.38
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	10	1.38
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	12	1.38
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	13	1.38
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	18	1.38
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	2	1.38
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	2	1.38
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	2	1.38
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	3	1.38
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	20	1.38
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	16	1.38
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	2	1.38
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	3	1.38
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	11	1.38
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	17	1.38
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	4	1.38
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	4	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	4	1.38
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	7	1.38
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	7	1.38
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	7	1.38
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	15	1.38
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	15	1.38
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	15	1.38
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	17	1.38
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	17	1.38
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	17	1.38
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	3	1.38
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	8	1.38
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	12	1.38
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	14	1.38
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	8	1.38
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	1	1.38
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	3	1.38
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	8	1.38
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	20	1.38
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	2	1.38
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	5	1.38
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	10	1.38
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	13	1.38
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	18	1.38
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	1	1.38
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	1	1.38
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	1	1.38
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	7	1.38
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	7	1.38
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	7	1.38
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	12	1.38
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	12	1.38
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	12	1.38
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	15	1.38
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	15	1.38
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	15	1.38
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	16	1.38
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	16	1.38
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	16	1.38
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	18	1.38
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	18	1.38
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	18	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,63)	1:156:A:ILE:HD11	1:156:A:ILE:HG12	20	1.38
(2,63)	1:156:A:ILE:HD12	1:156:A:ILE:HG12	20	1.38
(2,63)	1:156:A:ILE:HD13	1:156:A:ILE:HG12	20	1.38
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	10	1.38
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	12	1.38
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	14	1.37
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	14	1.37
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	14	1.37
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	15	1.37
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	15	1.37
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	15	1.37
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	19	1.37
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	19	1.37
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	19	1.37
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	9	1.37
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	9	1.37
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	9	1.37
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	19	1.37
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	19	1.37
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	19	1.37
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	16	1.37
(4,767)	1:140:A:LYS:HD3	1:141:A:GLY:H	17	1.37
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	7	1.37
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	18	1.37
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	7	1.37
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	10	1.37
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	11	1.37
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	12	1.37
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	14	1.37
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	18	1.37
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	3	1.37
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	1	1.37
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	1	1.37
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	15	1.37
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	15	1.37
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	4	1.37
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	3	1.37
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	5	1.37
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	7	1.37
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	4	1.37
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	2	1.37
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	2	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	2	1.37
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	13	1.37
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	13	1.37
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	13	1.37
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	6	1.37
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	6	1.37
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	6	1.37
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	6	1.37
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	1	1.37
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	2	1.37
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	4	1.37
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	5	1.37
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	6	1.37
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	7	1.37
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	8	1.37
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	12	1.37
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	15	1.37
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	16	1.37
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	18	1.37
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG21	20	1.37
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG22	20	1.37
(2,2855)	1:143:A:ILE:HG12	1:143:A:ILE:HG23	20	1.37
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	13	1.37
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	13	1.37
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	14	1.37
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	8	1.37
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	9	1.37
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	9	1.37
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	9	1.37
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	14	1.37
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	14	1.37
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	14	1.37
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	8	1.37
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	14	1.37
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	12	1.37
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	12	1.37
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	3	1.37
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	2	1.37
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	3	1.37
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	7	1.37
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	8	1.37
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	15	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	16	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	1	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	2	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	3	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	4	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	5	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	8	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	10	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	11	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	12	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	13	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	14	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	15	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	16	1.37
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	18	1.37
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	16	1.37
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	10	1.37
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	3	1.37
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	14	1.37
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	20	1.37
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	18	1.37
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	14	1.37
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	16	1.37
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	15	1.37
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	17	1.37
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	17	1.37
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	20	1.37
(2,2355)	1:117:A:SER:HA	1:117:A:SER:HB3	18	1.37
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	1	1.37
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	3	1.37
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	5	1.37
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	6	1.37
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	7	1.37
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	8	1.37
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	9	1.37
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	10	1.37
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	13	1.37
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	14	1.37
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	15	1.37
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	9	1.37
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	1	1.37
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	1	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	1	1.37
(2,2263)	1:89:A:ILE:HG21	1:89:A:ILE:HG13	15	1.37
(2,2263)	1:89:A:ILE:HG22	1:89:A:ILE:HG13	15	1.37
(2,2263)	1:89:A:ILE:HG23	1:89:A:ILE:HG13	15	1.37
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	3	1.37
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	20	1.37
(2,2118)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	17	1.37
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	6	1.37
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	6	1.37
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	6	1.37
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	9	1.37
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	9	1.37
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	9	1.37
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	17	1.37
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	17	1.37
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	17	1.37
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	5	1.37
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	8	1.37
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	9	1.37
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	10	1.37
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	12	1.37
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	13	1.37
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	15	1.37
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	11	1.37
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	20	1.37
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	1	1.37
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	15	1.37
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	17	1.37
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	17	1.37
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	17	1.37
(2,2041)	1:101:A:ILE:HD11	1:101:A:ILE:H	5	1.37
(2,2041)	1:101:A:ILE:HD12	1:101:A:ILE:H	5	1.37
(2,2041)	1:101:A:ILE:HD13	1:101:A:ILE:H	5	1.37
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	6	1.37
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	8	1.37
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	12	1.37
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	20	1.37
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	16	1.37
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	3	1.37
(2,1982)	1:105:A:ARG:HB2	1:105:A:ARG:H	17	1.37
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	6	1.37
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	2	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	2	1.37
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	2	1.37
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	8	1.37
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	8	1.37
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	8	1.37
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	14	1.37
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	14	1.37
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	14	1.37
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	9	1.37
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	5	1.37
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	6	1.37
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	10	1.37
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	12	1.37
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	17	1.37
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	20	1.37
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	1	1.37
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	7	1.37
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	7	1.37
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	14	1.37
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	6	1.37
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	9	1.37
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	12	1.37
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	19	1.37
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	6	1.37
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	8	1.37
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	6	1.37
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	3	1.37
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	3	1.37
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	3	1.37
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	17	1.37
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	17	1.37
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	17	1.37
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	19	1.37
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	19	1.37
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	19	1.37
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	1	1.37
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	6	1.37
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	2	1.37
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	3	1.37
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	4	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	2	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	2	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	2	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	6	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	6	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	6	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	7	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	7	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	7	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	9	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	9	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	9	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	14	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	14	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	14	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	15	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	15	1.37
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	15	1.37
(2,1368)	1:5:A:LEU:HB3	1:5:A:LEU:HA	17	1.37
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	4	1.37
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	4	1.37
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	4	1.37
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	5	1.37
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	5	1.37
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	5	1.37
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	20	1.37
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	20	1.37
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	20	1.37
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	4	1.37
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	4	1.37
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	4	1.37
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	9	1.37
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	9	1.37
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	9	1.37
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	10	1.37
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	10	1.37
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	10	1.37
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	13	1.37
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	13	1.37
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	13	1.37
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	15	1.37
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	15	1.37
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	15	1.37
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	16	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	16	1.37
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	16	1.37
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	17	1.37
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	17	1.37
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	17	1.37
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	16	1.37
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	4	1.37
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	6	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	1	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	2	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	3	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	4	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	6	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	7	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	10	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	12	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	13	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	14	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	15	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	18	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	19	1.37
(2,1303)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	20	1.37
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	11	1.37
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	1	1.37
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	10	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	1	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	2	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	3	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	5	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	6	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	7	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	8	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	9	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	10	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	11	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	12	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	15	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	16	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	17	1.37
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	19	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	2	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	2	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	2	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	3	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	3	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	3	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	4	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	4	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	4	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	5	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	5	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	5	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	6	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	6	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	6	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	7	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	7	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	7	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	8	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	8	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	8	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	10	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	10	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	10	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	11	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	11	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	11	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	12	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	12	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	12	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	13	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	13	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	13	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	14	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	14	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	14	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	15	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	15	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	15	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	16	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	16	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	16	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	17	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	17	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	17	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	18	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	18	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	18	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	19	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	19	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	19	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	20	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	20	1.37
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	20	1.37
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	8	1.37
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	8	1.37
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	8	1.37
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	1	1.37
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	1	1.37
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	6	1.37
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	6	1.37
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	18	1.37
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	18	1.37
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	1	1.37
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	1	1.37
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	1	1.37
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	1	1.37
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	4	1.37
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	4	1.37
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	4	1.37
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	14	1.37
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	14	1.37
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	14	1.37
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	20	1.37
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	20	1.37
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	20	1.37
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	2	1.37
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	8	1.37
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	13	1.37
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	14	1.37
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	7	1.37
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	4	1.37
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	4	1.37
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	4	1.37
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	2	1.37
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	19	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	6	1.37
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	15	1.37
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	5	1.37
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	9	1.37
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	10	1.37
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	13	1.37
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	1	1.37
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	6	1.37
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	7	1.37
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	8	1.37
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	11	1.37
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	13	1.37
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	15	1.37
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	20	1.37
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	7	1.37
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	17	1.37
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	19	1.37
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	5	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	1	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	2	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	3	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	4	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	5	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	6	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	7	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	8	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	9	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	10	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	11	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	12	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	13	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	14	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	15	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	17	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	18	1.37
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	20	1.37
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	7	1.37
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	19	1.37
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	14	1.37
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	14	1.37
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	14	1.37
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	18	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	18	1.37
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	18	1.37
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	11	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	2	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	2	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	2	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	2	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	2	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	2	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	2	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	2	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	2	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	6	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	6	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	6	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	6	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	6	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	6	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	6	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	6	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	6	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	7	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	7	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	7	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	7	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	7	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	7	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	7	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	7	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	7	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	8	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	8	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	8	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	8	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	8	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	8	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	8	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	8	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	8	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	11	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	11	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	11	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	11	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	11	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	11	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	11	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	11	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	11	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	12	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	12	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	12	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	12	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	12	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	12	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	12	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	12	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	12	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	14	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	14	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	14	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	14	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	14	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	14	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	14	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	14	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	14	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	17	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	17	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	17	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	17	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	17	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	17	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	17	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	17	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	17	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	18	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	18	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	18	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	18	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	18	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	18	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	18	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	18	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	18	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	19	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	19	1.37
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	19	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	19	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	19	1.37
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	19	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	19	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	19	1.37
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	19	1.37
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	17	1.37
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	19	1.37
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	8	1.37
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	8	1.37
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	15	1.37
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	15	1.37
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	16	1.37
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	16	1.37
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	12	1.37
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	12	1.37
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	12	1.37
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	5	1.37
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	12	1.37
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	13	1.37
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	17	1.37
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	1	1.37
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	1	1.37
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	1	1.37
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	6	1.37
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	6	1.37
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	6	1.37
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	4	1.37
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	4	1.37
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	4	1.37
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	8	1.37
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	14	1.37
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	15	1.37
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	3	1.37
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	3	1.37
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	3	1.37
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	17	1.37
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	17	1.37
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	17	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	3	1.37
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	7	1.37
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	8	1.37
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	11	1.37
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	4	1.37
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	7	1.37
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	15	1.37
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	18	1.37
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	9	1.37
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	4	1.37
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	9	1.37
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	12	1.37
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	15	1.37
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	18	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	1	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	2	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	3	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	4	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	5	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	7	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	8	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	9	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	10	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	11	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	12	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	13	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	15	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	16	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	18	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	19	1.37
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	20	1.37
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	11	1.37
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	3	1.37
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	11	1.37
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	5	1.37
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	12	1.37
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	2	1.37
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	11	1.37
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	13	1.37
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	14	1.37
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	17	1.37
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	14	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	11	1.37
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	11	1.37
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	11	1.37
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	11	1.37
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	11	1.37
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	11	1.37
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	11	1.37
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	11	1.37
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	11	1.37
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	12	1.37
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	12	1.37
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	12	1.37
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	12	1.37
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	12	1.37
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	12	1.37
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	12	1.37
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	12	1.37
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	12	1.37
(1,7)	1:123:A:TYR:HE1	1:122:A:HIS:HB2	11	1.37
(1,7)	1:123:A:TYR:HE2	1:122:A:HIS:HB2	11	1.37
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	5	1.36
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	5	1.36
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	5	1.36
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	8	1.36
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	8	1.36
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	8	1.36
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	4	1.36
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	4	1.36
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	4	1.36
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	12	1.36
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	19	1.36
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	1	1.36
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	6	1.36
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	6	1.36
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	6	1.36
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	6	1.36
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	11	1.36
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	11	1.36
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	11	1.36
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	11	1.36
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	12	1.36
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	12	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	12	1.36
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	12	1.36
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	14	1.36
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	14	1.36
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	14	1.36
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	14	1.36
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	19	1.36
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	19	1.36
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	19	1.36
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	19	1.36
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	2	1.36
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	2	1.36
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	9	1.36
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	9	1.36
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	13	1.36
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	13	1.36
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	16	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	1	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	2	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	3	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	4	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	5	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	6	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	8	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	9	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	10	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	11	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	12	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	13	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	14	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	15	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	16	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	17	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	18	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	19	1.36
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	20	1.36
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	7	1.36
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	7	1.36
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	7	1.36
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	14	1.36
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	14	1.36
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	14	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	5	1.36
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	5	1.36
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	5	1.36
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	5	1.36
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	5	1.36
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	5	1.36
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	5	1.36
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	5	1.36
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	5	1.36
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	9	1.36
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	9	1.36
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	9	1.36
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	9	1.36
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	9	1.36
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	9	1.36
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	9	1.36
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	9	1.36
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	9	1.36
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	16	1.36
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	16	1.36
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	16	1.36
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	16	1.36
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	16	1.36
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	16	1.36
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	16	1.36
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	16	1.36
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	16	1.36
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	3	1.36
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	5	1.36
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	8	1.36
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	9	1.36
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	10	1.36
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	12	1.36
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	14	1.36
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	15	1.36
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	15	1.36
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	15	1.36
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	15	1.36
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	3	1.36
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	11	1.36
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	14	1.36
(2,2972)	1:57:A:ILE:HG12	1:57:A:ILE:HB	20	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	6	1.36
(2,2851)	1:95:A:THR:HB	1:95:A:THR:HA	5	1.36
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	14	1.36
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	4	1.36
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	9	1.36
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	11	1.36
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	16	1.36
(2,2826)	1:101:A:ILE:HB	1:101:A:ILE:HA	2	1.36
(2,2810)	1:36:A:LEU:HB2	1:36:A:LEU:H	7	1.36
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	8	1.36
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	8	1.36
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	8	1.36
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	16	1.36
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	16	1.36
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	16	1.36
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	3	1.36
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	4	1.36
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	6	1.36
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	9	1.36
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	9	1.36
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	11	1.36
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	11	1.36
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	16	1.36
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	16	1.36
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	17	1.36
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	17	1.36
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	19	1.36
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	19	1.36
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	20	1.36
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	20	1.36
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	13	1.36
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	1	1.36
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	5	1.36
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	6	1.36
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	11	1.36
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	6	1.36
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	9	1.36
(2,2648)	1:131:A:PRO:HB3	1:131:A:PRO:HA	20	1.36
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	18	1.36
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	2	1.36
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	15	1.36
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	20	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	6	1.36
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	11	1.36
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	12	1.36
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	11	1.36
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	1	1.36
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	9	1.36
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	2	1.36
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	4	1.36
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	18	1.36
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	19	1.36
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	14	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	2	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	2	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	2	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	3	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	3	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	3	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	5	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	5	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	5	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	6	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	6	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	6	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	11	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	11	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	11	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	13	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	13	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	13	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	14	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	14	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	14	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	17	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	17	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	17	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	18	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	18	1.36
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	18	1.36
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	8	1.36
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	10	1.36
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	1	1.36
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	2	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	3	1.36
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	6	1.36
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	7	1.36
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	11	1.36
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	14	1.36
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	16	1.36
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	17	1.36
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	18	1.36
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	19	1.36
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	10	1.36
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	17	1.36
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	7	1.36
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	9	1.36
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	5	1.36
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	14	1.36
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	3	1.36
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	5	1.36
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	11	1.36
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	15	1.36
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	11	1.36
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	5	1.36
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	9	1.36
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	9	1.36
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	9	1.36
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	2	1.36
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	3	1.36
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	4	1.36
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	6	1.36
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	8	1.36
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	10	1.36
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	11	1.36
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	14	1.36
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	16	1.36
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	19	1.36
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	20	1.36
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	15	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	1	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	2	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	3	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	4	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	7	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	8	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	9	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	11	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	13	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	14	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	15	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	16	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	18	1.36
(2,1810)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	19	1.36
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	5	1.36
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	8	1.36
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	9	1.36
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	13	1.36
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	18	1.36
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	10	1.36
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	2	1.36
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	4	1.36
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	10	1.36
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	11	1.36
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	11	1.36
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	11	1.36
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	12	1.36
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	12	1.36
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	12	1.36
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	18	1.36
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	18	1.36
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	18	1.36
(2,1622)	1:23:A:ARG:HD3	1:23:A:ARG:H	18	1.36
(2,1620)	1:151:A:ILE:HG12	1:151:A:ILE:HB	17	1.36
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	16	1.36
(2,1533)	1:120:A:LYS:HG2	1:120:A:LYS:HB2	18	1.36
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	1	1.36
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	1	1.36
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	1	1.36
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	8	1.36
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	8	1.36
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	8	1.36
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	1	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	1	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	1	1.36
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	2	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	2	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	2	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	5	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	5	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	5	1.36
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	6	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	6	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	6	1.36
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	7	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	7	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	7	1.36
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	8	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	8	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	8	1.36
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	11	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	11	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	11	1.36
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	12	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	12	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	12	1.36
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	14	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	14	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	14	1.36
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	18	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	18	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	18	1.36
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	19	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	19	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	19	1.36
(2,1347)	1:156:A:ILE:HG21	1:156:A:ILE:H	20	1.36
(2,1347)	1:156:A:ILE:HG22	1:156:A:ILE:H	20	1.36
(2,1347)	1:156:A:ILE:HG23	1:156:A:ILE:H	20	1.36
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	17	1.36
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	1	1.36
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	3	1.36
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	4	1.36
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	6	1.36
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	8	1.36
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	12	1.36
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	17	1.36
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	19	1.36
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	2	1.36
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	4	1.36
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	6	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	14	1.36
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	17	1.36
(2,1201)	1:55:A:TYR:HB2	1:55:A:TYR:HB3	13	1.36
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB1	9	1.36
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB2	9	1.36
(2,1178)	1:32:A:ALA:HA	1:32:A:ALA:HB3	9	1.36
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	19	1.36
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	19	1.36
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	19	1.36
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	9	1.36
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	9	1.36
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	9	1.36
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD11	16	1.36
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD12	16	1.36
(2,1065)	1:30:A:LEU:HB3	1:30:A:LEU:HD13	16	1.36
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	5	1.36
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	5	1.36
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	11	1.36
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	11	1.36
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	15	1.36
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	14	1.36
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	6	1.36
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	6	1.36
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	6	1.36
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	17	1.36
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	17	1.36
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	17	1.36
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	2	1.36
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	2	1.36
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	2	1.36
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	16	1.36
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	16	1.36
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	16	1.36
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	4	1.36
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	7	1.36
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	10	1.36
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	11	1.36
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	12	1.36
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	15	1.36
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	16	1.36
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	18	1.36
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	1	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	3	1.36
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	5	1.36
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	7	1.36
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	11	1.36
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	15	1.36
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	20	1.36
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	12	1.36
(2,909)	1:153:A:LEU:HB2	1:154:A:ALA:H	16	1.36
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	1	1.36
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	8	1.36
(2,856)	1:105:A:ARG:HB3	1:105:A:ARG:H	18	1.36
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	5	1.36
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	7	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	1	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	2	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	3	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	4	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	5	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	8	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	10	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	11	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	12	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	13	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	14	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	15	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	16	1.36
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	18	1.36
(2,723)	1:52:A:PRO:HD2	1:52:A:PRO:HD3	16	1.36
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	14	1.36
(2,690)	1:156:A:ILE:HB	1:156:A:ILE:H	20	1.36
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	16	1.36
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	16	1.36
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	16	1.36
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	1	1.36
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	8	1.36
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	9	1.36
(2,658)	1:15:A:LEU:HB3	1:15:A:LEU:H	12	1.36
(2,627)	1:151:A:ILE:HD11	1:151:A:ILE:H	17	1.36
(2,627)	1:151:A:ILE:HD12	1:151:A:ILE:H	17	1.36
(2,627)	1:151:A:ILE:HD13	1:151:A:ILE:H	17	1.36
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	1	1.36
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	1	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	1	1.36
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	1	1.36
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	1	1.36
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	1	1.36
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	1	1.36
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	1	1.36
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	1	1.36
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD21	4	1.36
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD22	4	1.36
(2,621)	1:153:A:LEU:HD11	1:153:A:LEU:HD23	4	1.36
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD21	4	1.36
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD22	4	1.36
(2,621)	1:153:A:LEU:HD12	1:153:A:LEU:HD23	4	1.36
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD21	4	1.36
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD22	4	1.36
(2,621)	1:153:A:LEU:HD13	1:153:A:LEU:HD23	4	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	1	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	2	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	3	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	4	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	5	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	6	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	7	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	8	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	9	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	10	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	11	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	12	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	13	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	14	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	15	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	16	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	17	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	18	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	19	1.36
(2,555)	1:127:A:GLY:H	1:127:A:GLY:HA2	20	1.36
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	9	1.36
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	11	1.36
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	11	1.36
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	11	1.36
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	11	1.36
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	11	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	11	1.36
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	11	1.36
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	11	1.36
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	11	1.36
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	4	1.36
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	7	1.36
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	8	1.36
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	9	1.36
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	10	1.36
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	11	1.36
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	4	1.36
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	4	1.36
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	4	1.36
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	12	1.36
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	12	1.36
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	12	1.36
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	1	1.36
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	1	1.36
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	1	1.36
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	10	1.36
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	10	1.36
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	10	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	1	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	1	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	1	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	10	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	10	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	10	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	13	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	13	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	13	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	14	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	14	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	14	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	16	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	16	1.36
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	16	1.36
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	20	1.36
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	5	1.36
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	9	1.36
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	10	1.36
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	11	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	6	1.36
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	16	1.36
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	16	1.36
(2,228)	1:151:A:ILE:HA	1:151:A:ILE:HB	6	1.36
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	15	1.36
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	1	1.36
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	5	1.36
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	5	1.36
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	5	1.36
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	7	1.36
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	12	1.36
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	19	1.36
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	15	1.36
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	20	1.36
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	13	1.36
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	13	1.36
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	13	1.36
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	13	1.36
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	13	1.36
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	13	1.36
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	13	1.36
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	13	1.36
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	13	1.36
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	20	1.36
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	20	1.36
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	20	1.36
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	20	1.36
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	20	1.36
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	20	1.36
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	20	1.36
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	20	1.36
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	20	1.36
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	5	1.35
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	5	1.35
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	5	1.35
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	12	1.35
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	18	1.35
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	7	1.35
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	1	1.35
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	1	1.35
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	1	1.35
(4,753)	1:9:A:VAL:HG11	1:10:A:LYS:H	19	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,753)	1:9:A:VAL:HG12	1:10:A:LYS:H	19	1.35
(4,753)	1:9:A:VAL:HG13	1:10:A:LYS:H	19	1.35
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	9	1.35
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	20	1.35
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	6	1.35
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	9	1.35
(4,161)	1:65:A:ILE:HB	1:66:A:GLY:H	19	1.35
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	5	1.35
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	20	1.35
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	20	1.35
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	1	1.35
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	1	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	1	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	1	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	1	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	1	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	2	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	2	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	2	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	2	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	3	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	3	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	3	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	3	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	4	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	4	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	4	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	4	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	5	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	5	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	5	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	5	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	7	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	7	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	7	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	7	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	8	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	8	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	8	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	8	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	9	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	9	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	9	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	9	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	10	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	10	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	10	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	10	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	13	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	13	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	13	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	13	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	15	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	15	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	15	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	15	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	16	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	16	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	16	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	16	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	17	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	17	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	17	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	17	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	18	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	18	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	18	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	18	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE1	20	1.35
(3,36)	1:82:A:TYR:HD1	1:82:A:TYR:HE2	20	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE1	20	1.35
(3,36)	1:82:A:TYR:HD2	1:82:A:TYR:HE2	20	1.35
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	3	1.35
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	3	1.35
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	11	1.35
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	11	1.35
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	17	1.35
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	17	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	6	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	6	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	6	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	6	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	7	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	7	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	7	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	7	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	8	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	8	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	8	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	8	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	9	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	9	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	9	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	9	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	10	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	10	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	10	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	10	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	11	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	11	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	11	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	11	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	12	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	12	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	12	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	12	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	13	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	13	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	13	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	13	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	14	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	14	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	14	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	14	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	17	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	17	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	17	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	17	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	19	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	19	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	19	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	19	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	20	1.35
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	20	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	20	1.35
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	20	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	4	1.35
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	10	1.35
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	17	1.35
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	7	1.35
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	12	1.35
(2,3176)	1:30:A:LEU:HB2	1:30:A:LEU:HB3	7	1.35
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	16	1.35
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	20	1.35
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	17	1.35
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	17	1.35
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	17	1.35
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	4	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	2	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	2	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	2	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	2	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	2	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	2	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	2	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	2	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	2	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	3	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	3	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	3	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	3	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	3	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	3	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	3	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	3	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	3	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	8	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	8	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	8	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	8	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	8	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	8	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	8	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	8	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	8	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	11	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	11	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	11	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	11	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	11	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	11	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	11	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	11	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	11	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	12	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	12	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	12	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	12	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	12	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	12	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	12	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	12	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	12	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	15	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	15	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	15	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	15	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	15	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	15	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	15	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	15	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	15	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	17	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	17	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	17	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	17	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	17	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	17	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	17	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	17	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	17	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	19	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	19	1.35
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	19	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	19	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	19	1.35
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	19	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	19	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	19	1.35
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	19	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	1	1.35
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	2	1.35
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	7	1.35
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	11	1.35
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	13	1.35
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	18	1.35
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	14	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	2	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	3	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	5	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	6	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	7	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	8	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	10	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	12	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	13	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	14	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	15	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	17	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	18	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	19	1.35
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	20	1.35
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	13	1.35
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	7	1.35
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	1	1.35
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	15	1.35
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	7	1.35
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	8	1.35
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD1	5	1.35
(2,2678)	1:98:A:PHE:HA	1:98:A:PHE:HD2	5	1.35
(2,2652)	1:134:A:ILE:HG12	1:134:A:ILE:HB	12	1.35
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	14	1.35
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	1	1.35
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	3	1.35
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	11	1.35
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	12	1.35
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	11	1.35
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	13	1.35
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	14	1.35
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	18	1.35
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	3	1.35
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	8	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2503)	1:120:A:LYS:HA	1:120:A:LYS:HB3	9	1.35
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	4	1.35
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	6	1.35
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	6	1.35
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	16	1.35
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	1	1.35
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	12	1.35
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	16	1.35
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	20	1.35
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	6	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	1	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	1	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	1	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	4	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	4	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	4	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	7	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	7	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	7	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	8	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	8	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	8	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	9	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	9	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	9	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	10	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	10	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	10	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	12	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	12	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	12	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	15	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	15	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	15	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	16	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	16	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	16	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	19	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	19	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	19	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG21	20	1.35
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG22	20	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2265)	1:91:A:THR:HB	1:91:A:THR:HG23	20	1.35
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	15	1.35
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	13	1.35
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	13	1.35
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	13	1.35
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	9	1.35
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	20	1.35
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	2	1.35
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	2	1.35
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	2	1.35
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	2	1.35
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	3	1.35
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	4	1.35
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	18	1.35
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	3	1.35
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	12	1.35
(2,2084)	1:71:A:THR:H	1:71:A:THR:HB	9	1.35
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	18	1.35
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	20	1.35
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	1	1.35
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	12	1.35
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	13	1.35
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	16	1.35
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	18	1.35
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	8	1.35
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	19	1.35
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	10	1.35
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	4	1.35
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	7	1.35
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	12	1.35
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	20	1.35
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	7	1.35
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	7	1.35
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	7	1.35
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	9	1.35
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	9	1.35
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	9	1.35
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	16	1.35
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	16	1.35
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	16	1.35
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	20	1.35
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	20	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	20	1.35
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	14	1.35
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	14	1.35
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	14	1.35
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	15	1.35
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	15	1.35
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	15	1.35
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	1	1.35
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	5	1.35
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	7	1.35
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	9	1.35
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	12	1.35
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	13	1.35
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	15	1.35
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	17	1.35
(2,1925)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	18	1.35
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	12	1.35
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	11	1.35
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	2	1.35
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	10	1.35
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	12	1.35
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	14	1.35
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	15	1.35
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	17	1.35
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	13	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	2	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	3	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	7	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	8	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	10	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	12	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	13	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	14	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	16	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	17	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	18	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	19	1.35
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	20	1.35
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	13	1.35
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	17	1.35
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	9	1.35
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	19	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	11	1.35
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	13	1.35
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	20	1.35
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	11	1.35
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	11	1.35
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	11	1.35
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	7	1.35
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	8	1.35
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	11	1.35
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	16	1.35
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	11	1.35
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	4	1.35
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	5	1.35
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	10	1.35
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	2	1.35
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	5	1.35
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	7	1.35
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	10	1.35
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	13	1.35
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	14	1.35
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	15	1.35
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	16	1.35
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	18	1.35
(2,1249)	1:13:A:ASP:H	1:13:A:ASP:HA	20	1.35
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	18	1.35
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	3	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	3	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	3	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	3	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	4	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	4	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	4	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	5	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	5	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	5	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	6	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	6	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	6	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	8	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	8	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	8	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	9	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	9	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	9	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	11	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	11	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	11	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	12	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	12	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	12	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	13	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	13	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	13	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	14	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	14	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	14	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	15	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	15	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	15	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	18	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	18	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	18	1.35
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	20	1.35
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	20	1.35
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	20	1.35
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	9	1.35
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	9	1.35
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	8	1.35
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	8	1.35
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	8	1.35
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	15	1.35
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	15	1.35
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	15	1.35
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	1	1.35
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	3	1.35
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	14	1.35
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	20	1.35
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	7	1.35
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	2	1.35
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	4	1.35
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	6	1.35
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	8	1.35
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	12	1.35
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	16	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	17	1.35
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	18	1.35
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	5	1.35
(2,916)	1:92:A:GLN:HB2	1:93:A:THR:H	2	1.35
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	6	1.35
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	14	1.35
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	18	1.35
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	6	1.35
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	18	1.35
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	1	1.35
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	4	1.35
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	7	1.35
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	12	1.35
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	18	1.35
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	6	1.35
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	20	1.35
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	17	1.35
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	17	1.35
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	17	1.35
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	6	1.35
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	9	1.35
(2,741)	1:131:A:PRO:HB3	1:131:A:PRO:HA	20	1.35
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	20	1.35
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	3	1.35
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	4	1.35
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	6	1.35
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	8	1.35
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	9	1.35
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	14	1.35
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	20	1.35
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	9	1.35
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	9	1.35
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	9	1.35
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	15	1.35
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	15	1.35
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	15	1.35
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	17	1.35
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	17	1.35
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	17	1.35
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	3	1.35
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	7	1.35
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE1	11	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE2	11	1.35
(2,497)	1:82:A:TYR:HB2	1:145:A:MET:HE3	11	1.35
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	1	1.35
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	2	1.35
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	3	1.35
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	6	1.35
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	14	1.35
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	15	1.35
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	16	1.35
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	18	1.35
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	19	1.35
(2,494)	1:79:A:MET:HB2	1:79:A:MET:HB3	20	1.35
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	13	1.35
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	13	1.35
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	13	1.35
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	3	1.35
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	7	1.35
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	7	1.35
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	7	1.35
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	8	1.35
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	8	1.35
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	8	1.35
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	9	1.35
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	9	1.35
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	9	1.35
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	13	1.35
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	13	1.35
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	13	1.35
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	18	1.35
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	18	1.35
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	18	1.35
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	19	1.35
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	19	1.35
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	19	1.35
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	20	1.35
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	20	1.35
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	20	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	5	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	5	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	5	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	7	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	7	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	7	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	9	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	9	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	9	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	12	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	12	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	12	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	15	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	15	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	15	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	19	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	19	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	19	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	20	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	20	1.35
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	20	1.35
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	1	1.35
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	2	1.35
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	12	1.35
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	17	1.35
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	18	1.35
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	4	1.35
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	12	1.35
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	15	1.35
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	2	1.35
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	11	1.35
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	7	1.35
(2,239)	1:46:A:ILE:H	1:45:A:SER:HA	10	1.35
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	8	1.35
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	8	1.35
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	8	1.35
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	16	1.35
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	16	1.35
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	16	1.35
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	7	1.35
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	2	1.35
(2,198)	1:74:A:LEU:HB2	1:74:A:LEU:H	9	1.35
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	13	1.35
(2,114)	1:131:A:PRO:HD3	1:131:A:PRO:HA	20	1.35
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	5	1.35
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	11	1.35
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	15	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	4	1.35
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	4	1.35
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	4	1.35
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	4	1.35
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	4	1.35
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	4	1.35
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	4	1.35
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	4	1.35
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	4	1.35
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	15	1.34
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	19	1.34
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	10	1.34
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	16	1.34
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	4	1.34
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	7	1.34
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	7	1.34
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	7	1.34
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	10	1.34
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	10	1.34
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	16	1.34
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	16	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	1	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	1	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	1	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	1	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	2	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	2	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	2	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	2	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	3	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	3	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	3	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	3	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	4	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	4	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	4	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	4	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	5	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	5	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	5	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	5	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	15	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	15	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	15	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	15	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	16	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	16	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	16	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	16	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD1	18	1.34
(3,27)	1:22:A:PHE:HE1	1:22:A:PHE:HD2	18	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD1	18	1.34
(3,27)	1:22:A:PHE:HE2	1:22:A:PHE:HD2	18	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	1	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	6	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	7	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	8	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	9	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	11	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	12	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	13	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	15	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	16	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	18	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	19	1.34
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	20	1.34
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	12	1.34
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	19	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	1	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	2	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	3	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	4	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	5	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	6	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	7	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	8	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	9	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	10	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	11	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	12	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	13	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	14	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	15	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	16	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	17	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	18	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	19	1.34
(2,3153)	1:49:A:PRO:HG2	1:49:A:PRO:HG3	20	1.34
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	3	1.34
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	18	1.34
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	5	1.34
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	8	1.34
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	6	1.34
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	11	1.34
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	11	1.34
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	11	1.34
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	1	1.34
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	1	1.34
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	1	1.34
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	1	1.34
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	1	1.34
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	1	1.34
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	1	1.34
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	1	1.34
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	1	1.34
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	4	1.34
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	4	1.34
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	4	1.34
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	4	1.34
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	4	1.34
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	4	1.34
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	4	1.34
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	4	1.34
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	4	1.34
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	7	1.34
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	7	1.34
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	7	1.34
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	7	1.34
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	7	1.34
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	7	1.34
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	7	1.34
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	7	1.34
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	7	1.34
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	6	1.34
(2,2979)	1:51:A:LEU:HD11	1:51:A:LEU:HA	20	1.34
(2,2979)	1:51:A:LEU:HD12	1:51:A:LEU:HA	20	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2979)	1:51:A:LEU:HD13	1:51:A:LEU:HA	20	1.34
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	2	1.34
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	18	1.34
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	17	1.34
(2,2831)	1:49:A:PRO:HA	1:49:A:PRO:HB3	1	1.34
(2,2798)	1:55:A:TYR:HA	1:55:A:TYR:HB3	6	1.34
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	20	1.34
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	20	1.34
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	20	1.34
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	12	1.34
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	18	1.34
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	18	1.34
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	3	1.34
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	4	1.34
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	8	1.34
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	19	1.34
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	20	1.34
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	20	1.34
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	20	1.34
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	10	1.34
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	12	1.34
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	15	1.34
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	17	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	1	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	2	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	4	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	5	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	6	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	7	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	8	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	9	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	10	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	13	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	14	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	15	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	16	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	17	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	18	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	19	1.34
(2,2546)	1:84:A:ILE:HB	1:84:A:ILE:HG13	20	1.34
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	10	1.34
(2,2523)	1:54:A:PRO:HB3	1:54:A:PRO:HA	10	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	8	1.34
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	8	1.34
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	8	1.34
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	10	1.34
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	15	1.34
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	11	1.34
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	7	1.34
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	10	1.34
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	12	1.34
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	12	1.34
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	12	1.34
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	3	1.34
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	8	1.34
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	3	1.34
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	5	1.34
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	13	1.34
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	15	1.34
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	10	1.34
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	20	1.34
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	6	1.34
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	16	1.34
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	5	1.34
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	5	1.34
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	5	1.34
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	9	1.34
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	12	1.34
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	19	1.34
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	4	1.34
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	7	1.34
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	12	1.34
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	14	1.34
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	15	1.34
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	18	1.34
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	19	1.34
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	13	1.34
(2,2114)	1:110:A:PRO:HG3	1:110:A:PRO:HD3	4	1.34
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	18	1.34
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	18	1.34
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	18	1.34
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	20	1.34
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	20	1.34
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	20	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	1	1.34
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	8	1.34
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	9	1.34
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	12	1.34
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	13	1.34
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	14	1.34
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	16	1.34
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	16	1.34
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	16	1.34
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	2	1.34
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	3	1.34
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	9	1.34
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	10	1.34
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	4	1.34
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	7	1.34
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	14	1.34
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	16	1.34
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	18	1.34
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	1	1.34
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	2	1.34
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	8	1.34
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	9	1.34
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	17	1.34
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	18	1.34
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	19	1.34
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	18	1.34
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	13	1.34
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	13	1.34
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	13	1.34
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	19	1.34
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	2	1.34
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	2	1.34
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	2	1.34
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	11	1.34
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	11	1.34
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	11	1.34
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	2	1.34
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	7	1.34
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	20	1.34
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	14	1.34
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	9	1.34
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	1	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	11	1.34
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	2	1.34
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	5	1.34
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	7	1.34
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	7	1.34
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	7	1.34
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	1	1.34
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	4	1.34
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	5	1.34
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	6	1.34
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	9	1.34
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	11	1.34
(2,1727)	1:99:A:TYR:HB2	1:99:A:TYR:HA	15	1.34
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	5	1.34
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	9	1.34
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	14	1.34
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	3	1.34
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	11	1.34
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	11	1.34
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	11	1.34
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	18	1.34
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	2	1.34
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	2	1.34
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	2	1.34
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	7	1.34
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	7	1.34
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	7	1.34
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	14	1.34
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	14	1.34
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	14	1.34
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	10	1.34
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	10	1.34
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	10	1.34
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	19	1.34
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	14	1.34
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	2	1.34
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	12	1.34
(2,1496)	1:105:A:ARG:HB3	1:106:A:ASN:H	17	1.34
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	16	1.34
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	16	1.34
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	16	1.34
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	1	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	2	1.34
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	3	1.34
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	12	1.34
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	14	1.34
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	15	1.34
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	18	1.34
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	20	1.34
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	19	1.34
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	3	1.34
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	12	1.34
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	14	1.34
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	18	1.34
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	2	1.34
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	3	1.34
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	4	1.34
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	8	1.34
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	10	1.34
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	17	1.34
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	19	1.34
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	20	1.34
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	2	1.34
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	2	1.34
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	2	1.34
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	7	1.34
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	7	1.34
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	7	1.34
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	10	1.34
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	10	1.34
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	10	1.34
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	16	1.34
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	16	1.34
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	16	1.34
(2,1154)	1:48:A:ILE:HD11	1:47:A:VAL:H	17	1.34
(2,1154)	1:48:A:ILE:HD12	1:47:A:VAL:H	17	1.34
(2,1154)	1:48:A:ILE:HD13	1:47:A:VAL:H	17	1.34
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	1	1.34
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	1	1.34
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	1	1.34
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	18	1.34
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	18	1.34
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	18	1.34
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	6	1.34
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	16	1.34
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	13	1.34
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	19	1.34
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	1	1.34
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	9	1.34
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	7	1.34
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	9	1.34
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	12	1.34
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	6	1.34
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	15	1.34
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	14	1.34
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	2	1.34
(2,803)	1:86:A:VAL:HA	1:87:A:GLY:H	18	1.34
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	4	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	1	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	2	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	5	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	7	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	10	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	11	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	12	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	13	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	15	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	16	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	17	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	18	1.34
(2,683)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	19	1.34
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	2	1.34
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	8	1.34
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	14	1.34
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	12	1.34
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	12	1.34
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	12	1.34
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	12	1.34
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	12	1.34
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	12	1.34
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	12	1.34
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	12	1.34
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	12	1.34
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	5	1.34
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	5	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE1	9	1.34
(2,502)	1:55:A:TYR:HA	1:55:A:TYR:HE2	9	1.34
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	5	1.34
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	5	1.34
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	5	1.34
(2,427)	1:80:A:LYS:HB2	1:72:A:LEU:H	14	1.34
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	5	1.34
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	11	1.34
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	4	1.34
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	4	1.34
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	4	1.34
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	14	1.34
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	15	1.34
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	16	1.34
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	2	1.34
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	19	1.34
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	5	1.34
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	11	1.34
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	11	1.34
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	11	1.34
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	6	1.34
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	2	1.34
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	3	1.34
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	7	1.34
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	8	1.34
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	11	1.34
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	14	1.34
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	15	1.34
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	18	1.34
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	20	1.34
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	10	1.33
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	10	1.33
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	10	1.33
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	6	1.33
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	7	1.33
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	7	1.33
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	10	1.33
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	10	1.33
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	10	1.33
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	11	1.33
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	11	1.33
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	11	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	3	1.33
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	18	1.33
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	8	1.33
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	18	1.33
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	3	1.33
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	3	1.33
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	3	1.33
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	11	1.33
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	11	1.33
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	11	1.33
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	8	1.33
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	18	1.33
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	18	1.33
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	19	1.33
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	19	1.33
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	2	1.33
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	3	1.33
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	5	1.33
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	14	1.33
(2,3200)	1:135:A:GLY:HA3	1:135:A:GLY:H	17	1.33
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	2	1.33
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	15	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	1	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	2	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	3	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	4	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	5	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	6	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	7	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	8	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	9	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	10	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	11	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	12	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	13	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	14	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	15	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	16	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	17	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	18	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	19	1.33
(2,3154)	1:4:A:LEU:HB2	1:4:A:LEU:HB3	20	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	11	1.33
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD11	11	1.33
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD12	11	1.33
(2,3137)	1:61:A:ILE:H	1:61:A:ILE:HD13	11	1.33
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	4	1.33
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	7	1.33
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	8	1.33
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	9	1.33
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	11	1.33
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	12	1.33
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	13	1.33
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	17	1.33
(2,3091)	1:5:A:LEU:HD21	1:6:A:THR:H	10	1.33
(2,3091)	1:5:A:LEU:HD22	1:6:A:THR:H	10	1.33
(2,3091)	1:5:A:LEU:HD23	1:6:A:THR:H	10	1.33
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	6	1.33
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	6	1.33
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	6	1.33
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	6	1.33
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	6	1.33
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	6	1.33
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	6	1.33
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	6	1.33
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	6	1.33
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	2	1.33
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	2	1.33
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	2	1.33
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	3	1.33
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	8	1.33
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	14	1.33
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	18	1.33
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	14	1.33
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	1	1.33
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	1	1.33
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	1	1.33
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	5	1.33
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	5	1.33
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	5	1.33
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	3	1.33
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	3	1.33
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	9	1.33
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	10	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	20	1.33
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	3	1.33
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	4	1.33
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	6	1.33
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	7	1.33
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	14	1.33
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	14	1.33
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	14	1.33
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	15	1.33
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	15	1.33
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	15	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	1	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	2	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	3	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	4	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	5	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	6	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	7	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	8	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	9	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	10	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	11	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	12	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	13	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	14	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	15	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	16	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	17	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	18	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	19	1.33
(2,2500)	1:68:A:LYS:HG2	1:68:A:LYS:HG3	20	1.33
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	5	1.33
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	12	1.33
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	5	1.33
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	5	1.33
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	5	1.33
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	14	1.33
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	14	1.33
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	14	1.33
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	16	1.33
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	16	1.33
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	16	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	17	1.33
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	17	1.33
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	17	1.33
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	20	1.33
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	20	1.33
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	20	1.33
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	14	1.33
(2,2328)	1:150:A:VAL:HA	1:150:A:VAL:HB	17	1.33
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	2	1.33
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	13	1.33
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	16	1.33
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	18	1.33
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	17	1.33
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	12	1.33
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	16	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	1	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	2	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	3	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	4	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	5	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	6	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	7	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	8	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	9	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	10	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	11	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	12	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	13	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	14	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	15	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	16	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	17	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	18	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	19	1.33
(2,2213)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	20	1.33
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	14	1.33
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	14	1.33
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	14	1.33
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	15	1.33
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	15	1.33
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	15	1.33
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	19	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	19	1.33
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	19	1.33
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	5	1.33
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	8	1.33
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	10	1.33
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	2	1.33
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	3	1.33
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	5	1.33
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	6	1.33
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	10	1.33
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	11	1.33
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	13	1.33
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	17	1.33
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	20	1.33
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	3	1.33
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	3	1.33
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	3	1.33
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	7	1.33
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	7	1.33
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	7	1.33
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	8	1.33
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	8	1.33
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	8	1.33
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	10	1.33
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	10	1.33
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	10	1.33
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	16	1.33
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	16	1.33
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	16	1.33
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	17	1.33
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	17	1.33
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	17	1.33
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	11	1.33
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	5	1.33
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	17	1.33
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	4	1.33
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	4	1.33
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	17	1.33
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	1	1.33
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	2	1.33
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	7	1.33
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	6	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	10	1.33
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	13	1.33
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	15	1.33
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	16	1.33
(2,1958)	1:72:A:LEU:HB3	1:72:A:LEU:HG	3	1.33
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	17	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	1	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	3	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	4	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	5	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	6	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	8	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	9	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	10	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	11	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	12	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	13	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	14	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	15	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	16	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	17	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	18	1.33
(2,1885)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	19	1.33
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	4	1.33
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	5	1.33
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	13	1.33
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	7	1.33
(2,1825)	1:148:A:LYS:HG2	1:149:A:ASP:H	8	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	1	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	1	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	1	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	1	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	1	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	1	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	1	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	1	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	1	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	4	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	4	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	4	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	4	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	4	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	4	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	4	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	4	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	4	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	6	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	6	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	6	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	6	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	6	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	6	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	6	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	6	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	6	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	7	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	7	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	7	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	7	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	7	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	7	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	7	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	7	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	7	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	10	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	10	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	10	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	10	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	10	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	10	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	10	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	10	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	10	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	11	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	11	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	11	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	11	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	11	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	11	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	11	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	11	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	11	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	14	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	14	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	14	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	14	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	14	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	14	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	14	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	14	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	14	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	18	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	18	1.33
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	18	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	18	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	18	1.33
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	18	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	18	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	18	1.33
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	18	1.33
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	16	1.33
(2,1791)	1:110:A:PRO:HD3	1:110:A:PRO:HA	20	1.33
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	6	1.33
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	1	1.33
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	2	1.33
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	11	1.33
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	17	1.33
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	8	1.33
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	18	1.33
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	1	1.33
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	11	1.33
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	16	1.33
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	1	1.33
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	4	1.33
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	5	1.33
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	6	1.33
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	11	1.33
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	14	1.33
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	15	1.33
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	16	1.33
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	19	1.33
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	18	1.33
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	18	1.33
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	18	1.33
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	3	1.33
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	14	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	1	1.33
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	2	1.33
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	11	1.33
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	14	1.33
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	17	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	5	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	5	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	5	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	6	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	6	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	6	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	9	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	9	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	9	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	16	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	16	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	16	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	19	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	19	1.33
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	19	1.33
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	5	1.33
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	5	1.33
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	5	1.33
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	6	1.33
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	9	1.33
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	12	1.33
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	13	1.33
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	18	1.33
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	10	1.33
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	13	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	1	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	2	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	3	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	4	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	5	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	6	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	7	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	8	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	9	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	10	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	11	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	12	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	13	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	15	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	16	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	18	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	19	1.33
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	20	1.33
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	11	1.33
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	14	1.33
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	18	1.33
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	16	1.33
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	17	1.33
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	19	1.33
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	7	1.33
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	17	1.33
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	17	1.33
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	6	1.33
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	16	1.33
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	11	1.33
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	15	1.33
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	1	1.33
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	5	1.33
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	7	1.33
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	9	1.33
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	12	1.33
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	14	1.33
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	15	1.33
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	3	1.33
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	7	1.33
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	8	1.33
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	9	1.33
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	13	1.33
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	15	1.33
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	1	1.33
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	15	1.33
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	15	1.33
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	15	1.33
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	6	1.33
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	6	1.33
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	6	1.33
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	9	1.33
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	10	1.33
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	2	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	14	1.33
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	20	1.33
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	18	1.33
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	19	1.33
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	20	1.33
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	16	1.33
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	16	1.33
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	16	1.33
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	20	1.33
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	1	1.33
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	14	1.33
(2,857)	1:103:A:ARG:HB2	1:104:A:GLN:H	16	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	1	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	2	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	3	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	4	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	6	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	7	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	8	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	11	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	12	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	17	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	18	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	19	1.33
(2,826)	1:153:A:LEU:HB2	1:153:A:LEU:HA	20	1.33
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	3	1.33
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	7	1.33
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	12	1.33
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	17	1.33
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	4	1.33
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	4	1.33
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	4	1.33
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	20	1.33
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	20	1.33
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	20	1.33
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	11	1.33
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	18	1.33
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	10	1.33
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	10	1.33
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	10	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	1	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	2	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	4	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	5	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	6	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	7	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	8	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	9	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	10	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	11	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	12	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	14	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	15	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	16	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	17	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	19	1.33
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	20	1.33
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	2	1.33
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	2	1.33
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	2	1.33
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	10	1.33
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	12	1.33
(2,548)	1:137:A:ALA:H	1:136:A:LYS:HA	18	1.33
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	16	1.33
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	17	1.33
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	3	1.33
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	3	1.33
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	3	1.33
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	16	1.33
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	16	1.33
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	16	1.33
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	16	1.33
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	8	1.33
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	11	1.33
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	11	1.33
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	11	1.33
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	6	1.33
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	10	1.33
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	14	1.33
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	18	1.33
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	6	1.33
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	11	1.33
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	11	1.33
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	11	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	4	1.33
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	13	1.33
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	18	1.33
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	18	1.33
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	18	1.33
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	20	1.33
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	20	1.33
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	20	1.33
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	19	1.33
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	11	1.33
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	9	1.33
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	18	1.33
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	2	1.33
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	2	1.33
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	2	1.33
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	15	1.33
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	15	1.33
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	15	1.33
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	17	1.33
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	17	1.33
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	17	1.33
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	1	1.33
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	7	1.33
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	12	1.33
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	19	1.33
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	1	1.33
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	4	1.33
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	5	1.33
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	6	1.33
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	9	1.33
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	10	1.33
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	12	1.33
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	13	1.33
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	16	1.33
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	17	1.33
(2,86)	1:156:A:ILE:HG12	1:156:A:ILE:HG13	19	1.33
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	3	1.33
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	12	1.33
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	7	1.33
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	7	1.33
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	7	1.33
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	7	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	7	1.33
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	7	1.33
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	7	1.33
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	7	1.33
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	7	1.33
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	19	1.33
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	19	1.33
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	19	1.33
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	19	1.33
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	19	1.33
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	19	1.33
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	19	1.33
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	19	1.33
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	19	1.33
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	1	1.32
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	1	1.32
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	1	1.32
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	11	1.32
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	11	1.32
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	11	1.32
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	17	1.32
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	17	1.32
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	17	1.32
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	11	1.32
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	19	1.32
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	4	1.32
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	2	1.32
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	1	1.32
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	12	1.32
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	17	1.32
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	1	1.32
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	15	1.32
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	15	1.32
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	15	1.32
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	6	1.32
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	11	1.32
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	11	1.32
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	4	1.32
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	4	1.32
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	8	1.32
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	8	1.32
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	12	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	18	1.32
(2,3119)	1:161:A:THR:HB	1:161:A:THR:H	14	1.32
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	1	1.32
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	2	1.32
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	3	1.32
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	6	1.32
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	10	1.32
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	14	1.32
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	15	1.32
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	16	1.32
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	18	1.32
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	19	1.32
(2,3096)	1:79:A:MET:HB2	1:79:A:MET:HB3	20	1.32
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	1	1.32
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	7	1.32
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	10	1.32
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	11	1.32
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	13	1.32
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	15	1.32
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	20	1.32
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	8	1.32
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	20	1.32
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	1	1.32
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	3	1.32
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	5	1.32
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	6	1.32
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	7	1.32
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	11	1.32
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	15	1.32
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	16	1.32
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	18	1.32
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	20	1.32
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	20	1.32
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	9	1.32
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	12	1.32
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	6	1.32
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	6	1.32
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	6	1.32
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	1	1.32
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	8	1.32
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	19	1.32
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	1	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	4	1.32
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	10	1.32
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	11	1.32
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	12	1.32
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	13	1.32
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	15	1.32
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	17	1.32
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	19	1.32
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	20	1.32
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	4	1.32
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	9	1.32
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	16	1.32
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	20	1.32
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	1	1.32
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	3	1.32
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	5	1.32
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	13	1.32
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	16	1.32
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	16	1.32
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	16	1.32
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	16	1.32
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	11	1.32
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	4	1.32
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	9	1.32
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	10	1.32
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	12	1.32
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	9	1.32
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	13	1.32
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	19	1.32
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	5	1.32
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	6	1.32
(2,2425)	1:52:A:PRO:HD2	1:51:A:LEU:HA	17	1.32
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	1	1.32
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	1	1.32
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	1	1.32
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	3	1.32
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	3	1.32
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	3	1.32
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	4	1.32
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	4	1.32
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	4	1.32
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	10	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	10	1.32
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	10	1.32
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	11	1.32
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	11	1.32
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	11	1.32
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	13	1.32
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	13	1.32
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	13	1.32
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	18	1.32
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	18	1.32
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	18	1.32
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	18	1.32
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	1	1.32
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	5	1.32
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	13	1.32
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	19	1.32
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	20	1.32
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	2	1.32
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	7	1.32
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	7	1.32
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	15	1.32
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	17	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	1	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	1	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	1	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	3	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	3	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	3	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	4	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	4	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	4	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	7	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	7	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	7	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	8	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	8	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	8	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	9	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	9	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	9	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	10	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	10	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	10	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	11	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	11	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	11	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	13	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	13	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	13	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	18	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	18	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	18	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	19	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	19	1.32
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	19	1.32
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	6	1.32
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	13	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	1	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	1	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	1	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	2	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	2	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	2	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	3	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	3	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	3	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	4	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	4	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	4	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	5	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	5	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	5	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	6	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	6	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	6	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	7	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	7	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	7	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	8	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	8	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	8	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	9	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	9	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	9	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	10	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	10	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	10	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	11	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	11	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	11	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	12	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	12	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	12	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	13	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	13	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	13	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	14	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	14	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	14	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	15	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	15	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	15	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	16	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	16	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	16	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	17	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	17	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	17	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	18	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	18	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	18	1.32
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	19	1.32
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	19	1.32
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	19	1.32
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	4	1.32
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	12	1.32
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	2	1.32
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	2	1.32
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	2	1.32
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	3	1.32
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	3	1.32
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	3	1.32
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	10	1.32
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	10	1.32
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	10	1.32
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	8	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	4	1.32
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	3	1.32
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	1	1.32
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	8	1.32
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	16	1.32
(2,2115)	1:5:A:LEU:HD11	1:5:A:LEU:HA	8	1.32
(2,2115)	1:5:A:LEU:HD12	1:5:A:LEU:HA	8	1.32
(2,2115)	1:5:A:LEU:HD13	1:5:A:LEU:HA	8	1.32
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	5	1.32
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	5	1.32
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	5	1.32
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	13	1.32
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	13	1.32
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	13	1.32
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	19	1.32
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	19	1.32
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	19	1.32
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	6	1.32
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	2	1.32
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	5	1.32
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	8	1.32
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	9	1.32
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	17	1.32
(2,2022)	1:48:A:ILE:H	1:47:A:VAL:HA	1	1.32
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	3	1.32
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	5	1.32
(2,1987)	1:152:A:GLU:HA	1:152:A:GLU:HB2	14	1.32
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	15	1.32
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	5	1.32
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	5	1.32
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	5	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	1	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	2	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	3	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	6	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	7	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	8	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	9	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	10	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	11	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	12	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	13	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	14	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	15	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	16	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	17	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	18	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	19	1.32
(2,1884)	1:58:A:PRO:HB2	1:58:A:PRO:HB3	20	1.32
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	6	1.32
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	6	1.32
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	18	1.32
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	5	1.32
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	19	1.32
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	20	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	2	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	2	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	2	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	2	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	2	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	2	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	2	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	2	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	2	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	3	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	3	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	3	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	3	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	3	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	3	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	3	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	3	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	3	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	5	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	5	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	5	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	5	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	5	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	5	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	5	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	5	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	5	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	8	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	8	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	8	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	8	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	8	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	8	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	8	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	8	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	8	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	9	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	9	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	9	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	9	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	9	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	9	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	9	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	9	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	9	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	12	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	12	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	12	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	12	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	12	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	12	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	12	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	12	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	12	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	13	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	13	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	13	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	13	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	13	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	13	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	13	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	13	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	13	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	15	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	15	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	15	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	15	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	15	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	15	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	15	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	15	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	15	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	16	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	16	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	16	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	16	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	16	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	16	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	16	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	16	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	16	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	19	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	19	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	19	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	19	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	19	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	19	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	19	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	19	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	19	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	20	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	20	1.32
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	20	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	20	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	20	1.32
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	20	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	20	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	20	1.32
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	20	1.32
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	4	1.32
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	14	1.32
(2,1777)	1:15:A:LEU:HD11	1:15:A:LEU:HA	13	1.32
(2,1777)	1:15:A:LEU:HD12	1:15:A:LEU:HA	13	1.32
(2,1777)	1:15:A:LEU:HD13	1:15:A:LEU:HA	13	1.32
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	10	1.32
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	5	1.32
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	5	1.32
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	13	1.32
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	20	1.32
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	11	1.32
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	13	1.32
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	18	1.32
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	2	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	7	1.32
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	8	1.32
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	9	1.32
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	18	1.32
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	20	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	1	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	2	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	4	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	5	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	6	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	7	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	8	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	9	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	10	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	11	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	12	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	13	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	15	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	16	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	17	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	18	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	19	1.32
(2,1693)	1:80:A:LYS:HB2	1:80:A:LYS:HB3	20	1.32
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	20	1.32
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	1	1.32
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	1	1.32
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	1	1.32
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	17	1.32
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	17	1.32
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	17	1.32
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	4	1.32
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	4	1.32
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	4	1.32
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	1	1.32
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	3	1.32
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	4	1.32
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	8	1.32
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	10	1.32
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	15	1.32
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	16	1.32
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	17	1.32
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	20	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1627)	1:81:A:THR:HB	1:81:A:THR:HA	17	1.32
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	10	1.32
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	12	1.32
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	3	1.32
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	4	1.32
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	15	1.32
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	19	1.32
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	18	1.32
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	13	1.32
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	11	1.32
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	20	1.32
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	16	1.32
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	16	1.32
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	16	1.32
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	16	1.32
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	16	1.32
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	16	1.32
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	16	1.32
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	16	1.32
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	16	1.32
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	20	1.32
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	20	1.32
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	20	1.32
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	2	1.32
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	9	1.32
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	12	1.32
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	18	1.32
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	8	1.32
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	8	1.32
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	8	1.32
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	13	1.32
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	13	1.32
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	13	1.32
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	9	1.32
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	10	1.32
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	17	1.32
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	20	1.32
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	6	1.32
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	11	1.32
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	13	1.32
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	17	1.32
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	5	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	11	1.32
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	12	1.32
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	16	1.32
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	19	1.32
(2,1221)	1:102:A:ASN:HA	1:102:A:ASN:H	20	1.32
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	1	1.32
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	1	1.32
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	1	1.32
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	2	1.32
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	2	1.32
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	2	1.32
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	5	1.32
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	5	1.32
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	5	1.32
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	14	1.32
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	14	1.32
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	14	1.32
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	7	1.32
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	7	1.32
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	7	1.32
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG21	1	1.32
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG22	1	1.32
(2,988)	1:47:A:VAL:HG11	1:6:A:THR:HG23	1	1.32
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG21	1	1.32
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG22	1	1.32
(2,988)	1:47:A:VAL:HG12	1:6:A:THR:HG23	1	1.32
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG21	1	1.32
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG22	1	1.32
(2,988)	1:47:A:VAL:HG13	1:6:A:THR:HG23	1	1.32
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	17	1.32
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	19	1.32
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	19	1.32
(2,948)	1:158:A:PRO:HB3	1:158:A:PRO:HA	9	1.32
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	5	1.32
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	10	1.32
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	15	1.32
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	16	1.32
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	7	1.32
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	7	1.32
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	7	1.32
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	1	1.32
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	8	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	12	1.32
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	17	1.32
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	18	1.32
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	10	1.32
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	15	1.32
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	11	1.32
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	18	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	1	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	2	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	3	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	4	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	5	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	6	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	7	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	8	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	11	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	12	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	14	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	15	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	16	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	18	1.32
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	20	1.32
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	2	1.32
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	15	1.32
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	15	1.32
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	19	1.32
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	16	1.32
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	15	1.32
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	15	1.32
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	15	1.32
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	17	1.32
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	17	1.32
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	17	1.32
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	19	1.32
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	19	1.32
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	19	1.32
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	16	1.32
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	16	1.32
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	16	1.32
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	4	1.32
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	4	1.32
(2,701)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	5	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	8	1.32
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	8	1.32
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	8	1.32
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	12	1.32
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	12	1.32
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	12	1.32
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	3	1.32
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	13	1.32
(2,645)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	18	1.32
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	7	1.32
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	7	1.32
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	7	1.32
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	8	1.32
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	8	1.32
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	8	1.32
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	9	1.32
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	9	1.32
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	9	1.32
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	10	1.32
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	10	1.32
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	10	1.32
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	16	1.32
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	16	1.32
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	16	1.32
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	19	1.32
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	19	1.32
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	19	1.32
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	14	1.32
(2,474)	1:74:A:LEU:HD11	1:75:A:ASN:H	19	1.32
(2,474)	1:74:A:LEU:HD12	1:75:A:ASN:H	19	1.32
(2,474)	1:74:A:LEU:HD13	1:75:A:ASN:H	19	1.32
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	6	1.32
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	6	1.32
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	6	1.32
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	17	1.32
(2,426)	1:118:A:LEU:HB3	1:118:A:LEU:HG	20	1.32
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	11	1.32
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	19	1.32
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	20	1.32
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	3	1.32
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	9	1.32
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	10	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	13	1.32
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	17	1.32
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	19	1.32
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	15	1.32
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	11	1.32
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	1	1.32
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	11	1.32
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	20	1.32
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	6	1.32
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	6	1.32
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	6	1.32
(2,235)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	9	1.32
(2,235)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	9	1.32
(2,235)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	9	1.32
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	4	1.32
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	8	1.32
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	3	1.32
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	3	1.32
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	3	1.32
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	6	1.32
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	6	1.32
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	6	1.32
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	7	1.32
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	7	1.32
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	7	1.32
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	8	1.32
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	8	1.32
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	8	1.32
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	10	1.32
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	10	1.32
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	10	1.32
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	3	1.32
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	1	1.32
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	14	1.32
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	1	1.32
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	1	1.32
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	1	1.32
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	1	1.32
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	1	1.32
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	1	1.32
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	1	1.32
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	1	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	1	1.32
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	15	1.32
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	15	1.32
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	15	1.32
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	15	1.32
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	15	1.32
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	15	1.32
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	15	1.32
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	15	1.32
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	15	1.32
(4,1234)	1:143:A:ILE:HG12	1:143:A:ILE:H	20	1.31
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	15	1.31
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	15	1.31
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	15	1.31
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	7	1.31
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	7	1.31
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	7	1.31
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	18	1.31
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	18	1.31
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	18	1.31
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	14	1.31
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	19	1.31
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	3	1.31
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	4	1.31
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	11	1.31
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	7	1.31
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	7	1.31
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	7	1.31
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	8	1.31
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	8	1.31
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	8	1.31
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	9	1.31
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	9	1.31
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	9	1.31
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	10	1.31
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	10	1.31
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	10	1.31
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	13	1.31
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	13	1.31
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	13	1.31
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	18	1.31
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	10	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	10	1.31
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	10	1.31
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	17	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	1	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	1	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	4	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	4	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	6	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	6	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	9	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	9	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	10	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	10	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	17	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	17	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	18	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	18	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	19	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	19	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	20	1.31
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	20	1.31
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	20	1.31
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	20	1.31
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	7	1.31
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	15	1.31
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	2	1.31
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	7	1.31
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	14	1.31
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	18	1.31
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	18	1.31
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	18	1.31
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	3	1.31
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	3	1.31
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	3	1.31
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	13	1.31
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	13	1.31
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	13	1.31
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	13	1.31
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	13	1.31
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	13	1.31
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	13	1.31
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	13	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	13	1.31
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	14	1.31
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	14	1.31
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	14	1.31
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	14	1.31
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	14	1.31
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	14	1.31
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	14	1.31
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	14	1.31
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	14	1.31
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	18	1.31
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	18	1.31
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	18	1.31
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	18	1.31
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	18	1.31
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	18	1.31
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	18	1.31
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	18	1.31
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	18	1.31
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	20	1.31
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	20	1.31
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	20	1.31
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	20	1.31
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	20	1.31
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	20	1.31
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	20	1.31
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	20	1.31
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	20	1.31
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	2	1.31
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	4	1.31
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	5	1.31
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	9	1.31
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	12	1.31
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	16	1.31
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	17	1.31
(2,2993)	1:152:A:GLU:H	1:151:A:ILE:HA	19	1.31
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	7	1.31
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	11	1.31
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	13	1.31
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	20	1.31
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	2	1.31
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	4	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	8	1.31
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	12	1.31
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	13	1.31
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	17	1.31
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	16	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	2	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	3	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	4	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	5	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	6	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	7	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	9	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	13	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	15	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	17	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	18	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	19	1.31
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	20	1.31
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	3	1.31
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	5	1.31
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	19	1.31
(2,2837)	1:73:A:SER:H	1:72:A:LEU:HA	3	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	3	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	3	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	3	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	7	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	7	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	7	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	10	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	10	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	10	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	13	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	13	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	13	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	18	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	18	1.31
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	18	1.31
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	20	1.31
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	2	1.31
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	5	1.31
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	6	1.31
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	7	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	8	1.31
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	9	1.31
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	16	1.31
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	4	1.31
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	5	1.31
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	2	1.31
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	7	1.31
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	19	1.31
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	19	1.31
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	19	1.31
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	16	1.31
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	10	1.31
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	10	1.31
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	10	1.31
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	13	1.31
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	13	1.31
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	13	1.31
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	1	1.31
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	14	1.31
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	17	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	2	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	2	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	2	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	5	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	5	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	5	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	7	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	7	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	7	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	14	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	14	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	14	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	16	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	16	1.31
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	16	1.31
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	2	1.31
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	7	1.31
(2,2475)	1:153:A:LEU:HB2	1:153:A:LEU:H	3	1.31
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	3	1.31
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	18	1.31
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	8	1.31
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	13	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	14	1.31
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	17	1.31
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	2	1.31
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	2	1.31
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	2	1.31
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	6	1.31
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	6	1.31
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	6	1.31
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	7	1.31
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	7	1.31
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	7	1.31
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	8	1.31
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	8	1.31
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	8	1.31
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	9	1.31
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	9	1.31
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	9	1.31
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	15	1.31
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	15	1.31
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	15	1.31
(2,2411)	1:63:A:VAL:HG11	1:63:A:VAL:H	19	1.31
(2,2411)	1:63:A:VAL:HG12	1:63:A:VAL:H	19	1.31
(2,2411)	1:63:A:VAL:HG13	1:63:A:VAL:H	19	1.31
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	17	1.31
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	17	1.31
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	17	1.31
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	20	1.31
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	20	1.31
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	20	1.31
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	2	1.31
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	7	1.31
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	15	1.31
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	17	1.31
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	4	1.31
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	20	1.31
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	3	1.31
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	4	1.31
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	8	1.31
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	12	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	2	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	2	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	2	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	5	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	5	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	5	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	6	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	6	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	6	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	12	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	12	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	12	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	14	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	14	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	14	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	15	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	15	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	15	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	16	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	16	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	16	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	17	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	17	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	17	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG21	20	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG22	20	1.31
(2,2268)	1:134:A:ILE:HG12	1:134:A:ILE:HG23	20	1.31
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	8	1.31
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	9	1.31
(2,2218)	1:24:A:ILE:HD11	1:24:A:ILE:HG12	20	1.31
(2,2218)	1:24:A:ILE:HD12	1:24:A:ILE:HG12	20	1.31
(2,2218)	1:24:A:ILE:HD13	1:24:A:ILE:HG12	20	1.31
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	4	1.31
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	4	1.31
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	4	1.31
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	1	1.31
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	20	1.31
(2,2133)	1:33:A:ASN:HB3	1:33:A:ASN:HA	9	1.31
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	10	1.31
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	10	1.31
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	10	1.31
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	14	1.31
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	14	1.31
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	14	1.31
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	18	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	18	1.31
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	18	1.31
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	4	1.31
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	4	1.31
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	4	1.31
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	12	1.31
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	12	1.31
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	12	1.31
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	15	1.31
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	15	1.31
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	15	1.31
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	15	1.31
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	19	1.31
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	6	1.31
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	14	1.31
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	17	1.31
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	11	1.31
(2,2039)	1:4:A:LEU:HB3	1:4:A:LEU:HA	20	1.31
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	13	1.31
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	17	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	1	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	2	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	4	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	5	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	6	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	7	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	8	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	9	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	10	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	11	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	12	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	13	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	14	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	16	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	17	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	18	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	19	1.31
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	20	1.31
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	15	1.31
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	16	1.31
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	16	1.31
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	16	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	5	1.31
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	17	1.31
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	20	1.31
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	2	1.31
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	3	1.31
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	4	1.31
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	13	1.31
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	15	1.31
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	16	1.31
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	17	1.31
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	17	1.31
(2,1822)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	17	1.31
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	17	1.31
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	17	1.31
(2,1822)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	17	1.31
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	17	1.31
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	17	1.31
(2,1822)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	17	1.31
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	10	1.31
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	1	1.31
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	4	1.31
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	7	1.31
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	8	1.31
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	9	1.31
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	11	1.31
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	15	1.31
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	16	1.31
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	17	1.31
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	19	1.31
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	3	1.31
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	11	1.31
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	19	1.31
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	3	1.31
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	4	1.31
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	6	1.31
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	8	1.31
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	9	1.31
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	12	1.31
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	15	1.31
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	16	1.31
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	18	1.31
(2,1733)	1:68:A:LYS:HG2	1:68:A:LYS:HB2	19	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	14	1.31
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	12	1.31
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	10	1.31
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	12	1.31
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	13	1.31
(2,1704)	1:74:A:LEU:H	1:73:A:SER:HA	17	1.31
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	10	1.31
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	13	1.31
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	16	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	4	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	4	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	4	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	8	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	8	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	8	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	10	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	10	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	10	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	13	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	13	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	13	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	20	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	20	1.31
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	20	1.31
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	6	1.31
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	6	1.31
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	6	1.31
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	5	1.31
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	7	1.31
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	12	1.31
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	3	1.31
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	1	1.31
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	2	1.31
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	5	1.31
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	7	1.31
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	13	1.31
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	20	1.31
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	11	1.31
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	20	1.31
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	1	1.31
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	4	1.31
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	5	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	7	1.31
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	10	1.31
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	12	1.31
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	15	1.31
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	17	1.31
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	18	1.31
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	13	1.31
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	17	1.31
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	5	1.31
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	5	1.31
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	5	1.31
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	5	1.31
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	5	1.31
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	5	1.31
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	5	1.31
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	5	1.31
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	5	1.31
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	5	1.31
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	5	1.31
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	5	1.31
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	11	1.31
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	11	1.31
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	11	1.31
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	16	1.31
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	16	1.31
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	16	1.31
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	2	1.31
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	2	1.31
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	2	1.31
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	7	1.31
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	7	1.31
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	7	1.31
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	20	1.31
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	20	1.31
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	20	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	2	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	2	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	2	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	3	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	3	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	3	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	5	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	5	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	5	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	6	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	6	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	6	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	7	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	7	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	7	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	10	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	10	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	10	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	14	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	14	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	14	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	15	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	15	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	15	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	16	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	16	1.31
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	16	1.31
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	13	1.31
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	19	1.31
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	9	1.31
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	17	1.31
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	16	1.31
(2,1268)	1:105:A:ARG:HB2	1:105:A:ARG:HA	18	1.31
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	6	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	3	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	3	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	3	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	7	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	7	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	7	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	8	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	8	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	8	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	15	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	15	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	15	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	18	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	18	1.31
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	18	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	19	1.31
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	19	1.31
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	8	1.31
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	16	1.31
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	2	1.31
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	4	1.31
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	12	1.31
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	15	1.31
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	18	1.31
(2,1017)	1:57:A:ILE:HD11	1:57:A:ILE:H	11	1.31
(2,1017)	1:57:A:ILE:HD12	1:57:A:ILE:H	11	1.31
(2,1017)	1:57:A:ILE:HD13	1:57:A:ILE:H	11	1.31
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	13	1.31
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	3	1.31
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	4	1.31
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	6	1.31
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	7	1.31
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	18	1.31
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	1	1.31
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	1	1.31
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	1	1.31
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	1	1.31
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	1	1.31
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	1	1.31
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	1	1.31
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	1	1.31
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	1	1.31
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	2	1.31
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	2	1.31
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	2	1.31
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	2	1.31
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	2	1.31
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	2	1.31
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	2	1.31
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	2	1.31
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	2	1.31
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	6	1.31
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	10	1.31
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	1	1.31
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	2	1.31
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	7	1.31
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	9	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	13	1.31
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	17	1.31
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	19	1.31
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	11	1.31
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	13	1.31
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	14	1.31
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	18	1.31
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	19	1.31
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	5	1.31
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	6	1.31
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	10	1.31
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	16	1.31
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	2	1.31
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	2	1.31
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	2	1.31
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	3	1.31
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	3	1.31
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	3	1.31
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	5	1.31
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	5	1.31
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	5	1.31
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	7	1.31
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	7	1.31
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	7	1.31
(2,711)	1:76:A:ASN:H	1:75:A:ASN:HA	9	1.31
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	3	1.31
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	3	1.31
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	3	1.31
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	11	1.31
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	11	1.31
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	11	1.31
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	19	1.31
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	19	1.31
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	19	1.31
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	1	1.31
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	1	1.31
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	1	1.31
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	4	1.31
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	4	1.31
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	4	1.31
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	5	1.31
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	5	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	5	1.31
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	14	1.31
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	14	1.31
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	14	1.31
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	15	1.31
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	15	1.31
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	15	1.31
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	17	1.31
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	17	1.31
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	17	1.31
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	20	1.31
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	20	1.31
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	20	1.31
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	9	1.31
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	10	1.31
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	9	1.31
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	9	1.31
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	9	1.31
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	9	1.31
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	9	1.31
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	9	1.31
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	9	1.31
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	9	1.31
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	9	1.31
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	12	1.31
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	13	1.31
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	1	1.31
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	3	1.31
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	5	1.31
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	17	1.31
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	18	1.31
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	18	1.31
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	18	1.31
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	1	1.31
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	4	1.31
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	7	1.31
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	12	1.31
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	19	1.31
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	11	1.31
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	12	1.31
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	20	1.31
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	14	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	9	1.31
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	5	1.31
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	15	1.31
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	11	1.31
(2,130)	1:70:A:LEU:HB2	1:70:A:LEU:HG	11	1.31
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	1	1.31
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	1	1.31
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	1	1.31
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	9	1.31
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	9	1.31
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	9	1.31
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	12	1.31
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	12	1.31
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	12	1.31
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	16	1.31
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	16	1.31
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	16	1.31
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	18	1.31
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	18	1.31
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	18	1.31
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	7	1.31
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	11	1.31
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	12	1.31
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	14	1.31
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	18	1.31
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	19	1.31
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	20	1.31
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	3	1.31
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	16	1.31
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	18	1.31
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	2	1.31
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	4	1.31
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	7	1.31
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	17	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	3	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	3	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	3	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	3	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	3	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	3	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	3	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	3	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	3	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	5	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	5	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	5	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	5	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	5	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	5	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	5	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	5	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	5	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	10	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	10	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	10	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	10	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	10	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	10	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	10	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	10	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	10	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	18	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	18	1.31
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	18	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	18	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	18	1.31
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	18	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	18	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	18	1.31
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	18	1.31
(1,7)	1:123:A:TYR:HE1	1:122:A:HIS:HB2	14	1.31
(1,7)	1:123:A:TYR:HE2	1:122:A:HIS:HB2	14	1.31
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	3	1.3
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	3	1.3
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	3	1.3
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	4	1.3
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	10	1.3
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	4	1.3
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	4	1.3
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	4	1.3
(4,740)	1:88:A:LYS:HG3	1:88:A:LYS:H	18	1.3
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	18	1.3
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	5	1.3
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	6	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	9	1.3
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	11	1.3
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	13	1.3
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	14	1.3
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	15	1.3
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	16	1.3
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	19	1.3
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	17	1.3
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	1	1.3
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	1	1.3
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	1	1.3
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	6	1.3
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	6	1.3
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	6	1.3
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	19	1.3
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	5	1.3
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	12	1.3
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	15	1.3
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	5	1.3
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	3	1.3
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	3	1.3
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	7	1.3
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	7	1.3
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	12	1.3
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	12	1.3
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	13	1.3
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	13	1.3
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	15	1.3
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	15	1.3
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	16	1.3
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	16	1.3
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	4	1.3
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	5	1.3
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	6	1.3
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	6	1.3
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	6	1.3
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	19	1.3
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	14	1.3
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	14	1.3
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	14	1.3
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	2	1.3
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	3	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	4	1.3
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	7	1.3
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	10	1.3
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	11	1.3
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	12	1.3
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	13	1.3
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	14	1.3
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	18	1.3
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	10	1.3
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	17	1.3
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD21	10	1.3
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD22	10	1.3
(2,3065)	1:15:A:LEU:HD11	1:15:A:LEU:HD23	10	1.3
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD21	10	1.3
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD22	10	1.3
(2,3065)	1:15:A:LEU:HD12	1:15:A:LEU:HD23	10	1.3
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD21	10	1.3
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD22	10	1.3
(2,3065)	1:15:A:LEU:HD13	1:15:A:LEU:HD23	10	1.3
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	4	1.3
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	10	1.3
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	20	1.3
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	1	1.3
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	3	1.3
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	5	1.3
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	6	1.3
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	8	1.3
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	9	1.3
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	10	1.3
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	12	1.3
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	15	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	1	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	2	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	3	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	4	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	5	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	6	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	9	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	10	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	12	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	14	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	15	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	16	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	17	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	18	1.3
(2,2983)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	19	1.3
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	6	1.3
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	10	1.3
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	19	1.3
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	10	1.3
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	12	1.3
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	16	1.3
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	20	1.3
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	1	1.3
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	8	1.3
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	10	1.3
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	11	1.3
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	12	1.3
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	14	1.3
(2,2899)	1:134:A:ILE:HB	1:134:A:ILE:HA	16	1.3
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	4	1.3
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	4	1.3
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	20	1.3
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	20	1.3
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	6	1.3
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	16	1.3
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	4	1.3
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	4	1.3
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	4	1.3
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	11	1.3
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	11	1.3
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	11	1.3
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	15	1.3
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	15	1.3
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	15	1.3
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	12	1.3
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	15	1.3
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	11	1.3
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	11	1.3
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	11	1.3
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	12	1.3
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	12	1.3
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	12	1.3
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	16	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	7	1.3
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	14	1.3
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	10	1.3
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	12	1.3
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	14	1.3
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	16	1.3
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	10	1.3
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	4	1.3
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	10	1.3
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	6	1.3
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	1	1.3
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	12	1.3
(2,2671)	1:101:A:ILE:HB	1:101:A:ILE:HG13	14	1.3
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	6	1.3
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	8	1.3
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	10	1.3
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	11	1.3
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	13	1.3
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	15	1.3
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	17	1.3
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	18	1.3
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	3	1.3
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	3	1.3
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	3	1.3
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	9	1.3
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	9	1.3
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	9	1.3
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	11	1.3
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	11	1.3
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	11	1.3
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	9	1.3
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	14	1.3
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	19	1.3
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	6	1.3
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	6	1.3
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	6	1.3
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	9	1.3
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	9	1.3
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	9	1.3
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	19	1.3
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	19	1.3
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	19	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	1	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	2	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	3	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	4	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	5	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	6	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	7	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	8	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	9	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	10	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	11	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	12	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	13	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	14	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	15	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	16	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	17	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	18	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	19	1.3
(2,2474)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	20	1.3
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	4	1.3
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	10	1.3
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	13	1.3
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	1	1.3
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	2	1.3
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	3	1.3
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	7	1.3
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	20	1.3
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	9	1.3
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	15	1.3
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	16	1.3
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	17	1.3
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	19	1.3
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	7	1.3
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	11	1.3
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	7	1.3
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	11	1.3
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	13	1.3
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	19	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	1	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	1	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	1	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	2	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	2	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	2	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	3	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	3	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	3	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	4	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	4	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	4	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	5	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	5	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	5	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	6	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	6	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	6	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	7	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	7	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	7	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	8	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	8	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	8	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	9	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	9	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	9	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	10	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	10	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	10	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	11	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	11	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	11	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	12	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	12	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	12	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	14	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	14	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	14	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	15	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	15	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	15	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	16	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	16	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	16	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	18	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	18	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	18	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	19	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	19	1.3
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	19	1.3
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	4	1.3
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	10	1.3
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	11	1.3
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	12	1.3
(2,2362)	1:103:A:ARG:HD2	1:103:A:ARG:HE	18	1.3
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	1	1.3
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	5	1.3
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	19	1.3
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	4	1.3
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	1	1.3
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	1	1.3
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	1	1.3
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	12	1.3
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	12	1.3
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	12	1.3
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	18	1.3
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	18	1.3
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	18	1.3
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	2	1.3
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	3	1.3
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	8	1.3
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	20	1.3
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	9	1.3
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	2	1.3
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	2	1.3
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	2	1.3
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	16	1.3
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	16	1.3
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	16	1.3
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	11	1.3
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	11	1.3
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	11	1.3
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	11	1.3
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	8	1.3
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	7	1.3
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	10	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	12	1.3
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	13	1.3
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	6	1.3
(2,2030)	1:54:A:PRO:HA	1:55:A:TYR:H	10	1.3
(2,1984)	1:140:A:LYS:HB2	1:140:A:LYS:HB3	3	1.3
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	9	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	1	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	2	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	3	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	4	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	5	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	6	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	7	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	11	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	12	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	13	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	14	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	15	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	16	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	17	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	18	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	19	1.3
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	20	1.3
(2,1907)	1:118:A:LEU:HD21	1:118:A:LEU:HB2	20	1.3
(2,1907)	1:118:A:LEU:HD22	1:118:A:LEU:HB2	20	1.3
(2,1907)	1:118:A:LEU:HD23	1:118:A:LEU:HB2	20	1.3
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	11	1.3
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	4	1.3
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	3	1.3
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	15	1.3
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	4	1.3
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	2	1.3
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	12	1.3
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	20	1.3
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	1	1.3
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	7	1.3
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	8	1.3
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	9	1.3
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	12	1.3
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	13	1.3
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	20	1.3
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	1	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	7	1.3
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	12	1.3
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	12	1.3
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	12	1.3
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	12	1.3
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	3	1.3
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	3	1.3
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	3	1.3
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	11	1.3
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	11	1.3
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	11	1.3
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	12	1.3
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	12	1.3
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	12	1.3
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	15	1.3
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	15	1.3
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	15	1.3
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	20	1.3
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	2	1.3
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	6	1.3
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	8	1.3
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	19	1.3
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	12	1.3
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	6	1.3
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	7	1.3
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	10	1.3
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	11	1.3
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	14	1.3
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	20	1.3
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	6	1.3
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	18	1.3
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	2	1.3
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	3	1.3
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	6	1.3
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	8	1.3
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	9	1.3
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	13	1.3
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	14	1.3
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	16	1.3
(2,1473)	1:153:A:LEU:HA	1:153:A:LEU:H	19	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	1	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	2	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	5	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	6	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	7	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	8	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	9	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	10	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	11	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	12	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	14	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	15	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	16	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	18	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	19	1.3
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	20	1.3
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	12	1.3
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	17	1.3
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	13	1.3
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	13	1.3
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	13	1.3
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	1	1.3
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	1	1.3
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	1	1.3
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	9	1.3
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	9	1.3
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	9	1.3
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	18	1.3
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	18	1.3
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	18	1.3
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	19	1.3
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	19	1.3
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	19	1.3
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	13	1.3
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	17	1.3
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	2	1.3
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	6	1.3
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	19	1.3
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	12	1.3
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	12	1.3
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	12	1.3
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	19	1.3
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	19	1.3
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	19	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	1	1.3
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	1	1.3
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	13	1.3
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	13	1.3
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	19	1.3
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	19	1.3
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	4	1.3
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	4	1.3
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	4	1.3
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	12	1.3
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	12	1.3
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	12	1.3
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	16	1.3
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	16	1.3
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	16	1.3
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	12	1.3
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	12	1.3
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	12	1.3
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	4	1.3
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	4	1.3
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	16	1.3
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	16	1.3
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	20	1.3
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	20	1.3
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	3	1.3
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	11	1.3
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	11	1.3
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	10	1.3
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	4	1.3
(2,975)	1:98:A:PHE:HB3	1:98:A:PHE:HA	5	1.3
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	11	1.3
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	8	1.3
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	9	1.3
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	11	1.3
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	19	1.3
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	2	1.3
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	3	1.3
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	6	1.3
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	6	1.3
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	6	1.3
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	6	1.3
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	6	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	6	1.3
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	6	1.3
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	6	1.3
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	6	1.3
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	7	1.3
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	7	1.3
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	7	1.3
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	7	1.3
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	7	1.3
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	7	1.3
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	7	1.3
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	7	1.3
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	7	1.3
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	8	1.3
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	8	1.3
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	8	1.3
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	8	1.3
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	8	1.3
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	8	1.3
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	8	1.3
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	8	1.3
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	8	1.3
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	10	1.3
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	10	1.3
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	10	1.3
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	10	1.3
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	10	1.3
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	10	1.3
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	10	1.3
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	10	1.3
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	10	1.3
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	8	1.3
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	5	1.3
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	16	1.3
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	9	1.3
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	16	1.3
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	17	1.3
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	19	1.3
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	19	1.3
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	19	1.3
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	11	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	1	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	3	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	4	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	5	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	6	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	8	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	9	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	10	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	11	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	12	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	13	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	14	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	15	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	16	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	17	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	18	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	19	1.3
(2,891)	1:43:A:GLY:HA2	1:43:A:GLY:HA3	20	1.3
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	11	1.3
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	18	1.3
(2,829)	1:57:A:ILE:HA	1:57:A:ILE:HB	10	1.3
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	10	1.3
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	17	1.3
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	9	1.3
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	14	1.3
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	10	1.3
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	13	1.3
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	17	1.3
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	1	1.3
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	1	1.3
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	1	1.3
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	4	1.3
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	4	1.3
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	4	1.3
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	11	1.3
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	11	1.3
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	11	1.3
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	12	1.3
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	12	1.3
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	12	1.3
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	16	1.3
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	16	1.3
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	16	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	13	1.3
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	13	1.3
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	13	1.3
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	3	1.3
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	3	1.3
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	3	1.3
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	6	1.3
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	6	1.3
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	6	1.3
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	12	1.3
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	12	1.3
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	12	1.3
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	7	1.3
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	14	1.3
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	6	1.3
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	13	1.3
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	2	1.3
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	2	1.3
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	2	1.3
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	2	1.3
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	2	1.3
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	2	1.3
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	2	1.3
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	2	1.3
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	2	1.3
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	4	1.3
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	4	1.3
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	4	1.3
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	4	1.3
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	4	1.3
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	4	1.3
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	4	1.3
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	4	1.3
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	4	1.3
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	13	1.3
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	13	1.3
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	13	1.3
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	13	1.3
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	13	1.3
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	13	1.3
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	13	1.3
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	13	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	13	1.3
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	5	1.3
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	5	1.3
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	5	1.3
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	16	1.3
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	16	1.3
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	16	1.3
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	1	1.3
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	2	1.3
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	11	1.3
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	14	1.3
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	20	1.3
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	7	1.3
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	13	1.3
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	2	1.3
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	14	1.3
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	19	1.3
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	16	1.3
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	11	1.3
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	13	1.3
(2,303)	1:103:A:ARG:HD2	1:103:A:ARG:HB3	18	1.3
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	8	1.3
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	8	1.3
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	8	1.3
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	13	1.3
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	13	1.3
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	13	1.3
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	6	1.3
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	16	1.3
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	13	1.3
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	13	1.3
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	13	1.3
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	2	1.3
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	10	1.3
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	17	1.3
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	8	1.3
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	14	1.3
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	15	1.3
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	20	1.3
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	18	1.3
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	8	1.3
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	10	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,26)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	2	1.3
(1,26)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	2	1.3
(1,26)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	2	1.3
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	2	1.3
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	2	1.3
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	2	1.3
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	2	1.3
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	2	1.3
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	2	1.3
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	2	1.3
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	2	1.3
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	2	1.3
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	17	1.3
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	17	1.3
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	17	1.3
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	17	1.3
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	17	1.3
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	17	1.3
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	17	1.3
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	17	1.3
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	17	1.3
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	18	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	4	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	4	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	4	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	6	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	6	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	6	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	13	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	13	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	13	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	18	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	18	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	18	1.29
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	17	1.29
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	1	1.29
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	13	1.29
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	4	1.29
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	2	1.29
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	2	1.29
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	2	1.29
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	2	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	5	1.29
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	5	1.29
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	5	1.29
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	14	1.29
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	14	1.29
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	14	1.29
(4,379)	1:153:A:LEU:HD11	1:153:A:LEU:H	16	1.29
(4,379)	1:153:A:LEU:HD12	1:153:A:LEU:H	16	1.29
(4,379)	1:153:A:LEU:HD13	1:153:A:LEU:H	16	1.29
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	4	1.29
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	9	1.29
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	5	1.29
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	5	1.29
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	8	1.29
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	8	1.29
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	14	1.29
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	14	1.29
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	5	1.29
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	5	1.29
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	14	1.29
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	14	1.29
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	19	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	1	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	1	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	3	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	3	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	4	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	4	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	5	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	5	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	10	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	10	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	12	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	12	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	13	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	13	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	14	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	14	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	15	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	15	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	17	1.29
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	17	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	1	1.29
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	8	1.29
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	13	1.29
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	17	1.29
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	2	1.29
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	2	1.29
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	2	1.29
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	11	1.29
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	11	1.29
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	11	1.29
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	10	1.29
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	5	1.29
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	8	1.29
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	1	1.29
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	5	1.29
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	6	1.29
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	8	1.29
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	9	1.29
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	15	1.29
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	16	1.29
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	17	1.29
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	19	1.29
(2,3082)	1:49:A:PRO:HG3	1:49:A:PRO:HB3	20	1.29
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	3	1.29
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	5	1.29
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	9	1.29
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	12	1.29
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	14	1.29
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	16	1.29
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	2	1.29
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	13	1.29
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	1	1.29
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	3	1.29
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	4	1.29
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	10	1.29
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	12	1.29
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	15	1.29
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	17	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	1	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	2	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	3	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	4	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	5	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	6	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	7	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	8	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	9	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	11	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	14	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	15	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	18	1.29
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	19	1.29
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	1	1.29
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	1	1.29
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	8	1.29
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	8	1.29
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	9	1.29
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	9	1.29
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	16	1.29
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	16	1.29
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	18	1.29
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	18	1.29
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	1	1.29
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	8	1.29
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	4	1.29
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	11	1.29
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	14	1.29
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	2	1.29
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	2	1.29
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	2	1.29
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	17	1.29
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	17	1.29
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	17	1.29
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD21	19	1.29
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD22	19	1.29
(2,2779)	1:30:A:LEU:HB3	1:30:A:LEU:HD23	19	1.29
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	3	1.29
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	13	1.29
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	6	1.29
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	15	1.29
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	1	1.29
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	1	1.29
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	1	1.29
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	4	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	4	1.29
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	4	1.29
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	3	1.29
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	12	1.29
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	10	1.29
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	11	1.29
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	20	1.29
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	6	1.29
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	13	1.29
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	7	1.29
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	2	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	1	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	2	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	5	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	6	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	7	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	8	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	9	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	12	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	14	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	15	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	16	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	17	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	18	1.29
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	19	1.29
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	2	1.29
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	4	1.29
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	9	1.29
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	10	1.29
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	11	1.29
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	13	1.29
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	15	1.29
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	19	1.29
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	14	1.29
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	19	1.29
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	19	1.29
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	19	1.29
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	4	1.29
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	1	1.29
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	5	1.29
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	14	1.29
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	8	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	16	1.29
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	4	1.29
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	8	1.29
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	10	1.29
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	13	1.29
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	14	1.29
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	18	1.29
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	12	1.29
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	16	1.29
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	16	1.29
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	16	1.29
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	2	1.29
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	8	1.29
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	16	1.29
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	18	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	1	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	1	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	1	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	4	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	4	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	4	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	8	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	8	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	8	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	10	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	10	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	10	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	13	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	13	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	13	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	17	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	17	1.29
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	17	1.29
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	11	1.29
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	14	1.29
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	17	1.29
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	4	1.29
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	5	1.29
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	6	1.29
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	10	1.29
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	15	1.29
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	16	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	19	1.29
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	2	1.29
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	3	1.29
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	4	1.29
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	6	1.29
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	7	1.29
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	8	1.29
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	10	1.29
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	12	1.29
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	13	1.29
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	14	1.29
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	20	1.29
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	1	1.29
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	3	1.29
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	8	1.29
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	16	1.29
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB1	13	1.29
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB2	13	1.29
(2,2404)	1:27:A:ALA:H	1:27:A:ALA:HB3	13	1.29
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	1	1.29
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	18	1.29
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	19	1.29
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	11	1.29
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	11	1.29
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	11	1.29
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	16	1.29
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	16	1.29
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	16	1.29
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	4	1.29
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	5	1.29
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	7	1.29
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	10	1.29
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	12	1.29
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	13	1.29
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	16	1.29
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	17	1.29
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	18	1.29
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	19	1.29
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	20	1.29
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	10	1.29
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	4	1.29
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	11	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	17	1.29
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	18	1.29
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	3	1.29
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	3	1.29
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	3	1.29
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	8	1.29
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	8	1.29
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	8	1.29
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	19	1.29
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	19	1.29
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	19	1.29
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	6	1.29
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	6	1.29
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	6	1.29
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	9	1.29
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	9	1.29
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	9	1.29
(2,2111)	1:46:A:ILE:HD11	1:46:A:ILE:HB	14	1.29
(2,2111)	1:46:A:ILE:HD12	1:46:A:ILE:HB	14	1.29
(2,2111)	1:46:A:ILE:HD13	1:46:A:ILE:HB	14	1.29
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	8	1.29
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	15	1.29
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	19	1.29
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	15	1.29
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	18	1.29
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	1	1.29
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	3	1.29
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	8	1.29
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	12	1.29
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	8	1.29
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	9	1.29
(2,1928)	1:100:A:ILE:HG12	1:100:A:ILE:HG13	10	1.29
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	2	1.29
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	19	1.29
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	3	1.29
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	14	1.29
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	20	1.29
(2,1749)	1:46:A:ILE:HG13	1:46:A:ILE:HB	1	1.29
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	2	1.29
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	4	1.29
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	10	1.29
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	14	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	15	1.29
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	16	1.29
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	17	1.29
(2,1738)	1:93:A:THR:HA	1:93:A:THR:H	18	1.29
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	4	1.29
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	17	1.29
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	3	1.29
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	3	1.29
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	3	1.29
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	19	1.29
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	16	1.29
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	16	1.29
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	16	1.29
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	4	1.29
(2,1649)	1:84:A:ILE:HA	1:85:A:ALA:H	14	1.29
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	2	1.29
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	1	1.29
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	3	1.29
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	8	1.29
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	10	1.29
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	11	1.29
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	14	1.29
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	18	1.29
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	20	1.29
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	13	1.29
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	16	1.29
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	20	1.29
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	1	1.29
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	9	1.29
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	15	1.29
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	3	1.29
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	1	1.29
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	6	1.29
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	9	1.29
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	5	1.29
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	12	1.29
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	6	1.29
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	3	1.29
(2,1444)	1:162:A:ARG:HB2	1:162:A:ARG:HB3	4	1.29
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	10	1.29
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	11	1.29
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	6	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	2	1.29
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	2	1.29
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	2	1.29
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	6	1.29
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	6	1.29
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	6	1.29
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	7	1.29
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	7	1.29
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	7	1.29
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	10	1.29
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	10	1.29
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	10	1.29
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	12	1.29
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	12	1.29
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	12	1.29
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	13	1.29
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	13	1.29
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	13	1.29
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	14	1.29
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	14	1.29
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	14	1.29
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	15	1.29
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	15	1.29
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	15	1.29
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	18	1.29
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	18	1.29
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	18	1.29
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	3	1.29
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	3	1.29
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	3	1.29
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	8	1.29
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	8	1.29
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	8	1.29
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	18	1.29
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	18	1.29
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	18	1.29
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	17	1.29
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	4	1.29
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	4	1.29
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	4	1.29
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	12	1.29
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	12	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	12	1.29
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	17	1.29
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	17	1.29
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	17	1.29
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	20	1.29
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	20	1.29
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	20	1.29
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	1	1.29
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	8	1.29
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	16	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	3	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	3	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	3	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	4	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	4	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	4	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	5	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	5	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	5	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	13	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	13	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	13	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	16	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	16	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	16	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	17	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	17	1.29
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	17	1.29
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	3	1.29
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	3	1.29
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	6	1.29
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	6	1.29
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	7	1.29
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	7	1.29
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	9	1.29
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	9	1.29
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	10	1.29
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	10	1.29
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	15	1.29
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	15	1.29
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	17	1.29
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	17	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	18	1.29
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	18	1.29
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	6	1.29
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	6	1.29
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	6	1.29
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	14	1.29
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	14	1.29
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	14	1.29
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	20	1.29
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	20	1.29
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	20	1.29
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	11	1.29
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	11	1.29
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	11	1.29
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	14	1.29
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	14	1.29
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	14	1.29
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	1	1.29
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	3	1.29
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	4	1.29
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	6	1.29
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	10	1.29
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	16	1.29
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	17	1.29
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	13	1.29
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	13	1.29
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	14	1.29
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	14	1.29
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	13	1.29
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	5	1.29
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	5	1.29
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	6	1.29
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	6	1.29
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	6	1.29
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	10	1.29
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	6	1.29
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	13	1.29
(2,944)	1:65:A:ILE:H	1:64:A:SER:HA	17	1.29
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	1	1.29
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	13	1.29
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	15	1.29
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	3	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	3	1.29
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	3	1.29
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	4	1.29
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	8	1.29
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	11	1.29
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	13	1.29
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	7	1.29
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	1	1.29
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	3	1.29
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	4	1.29
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	8	1.29
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	11	1.29
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	13	1.29
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	18	1.29
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	3	1.29
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	16	1.29
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	9	1.29
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	9	1.29
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	9	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	5	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	5	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	5	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	8	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	8	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	8	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	12	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	12	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	12	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	18	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	18	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	18	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	19	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	19	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	19	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	20	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	20	1.29
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	20	1.29
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	9	1.29
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	18	1.29
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	2	1.29
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	12	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	3	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	4	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	5	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	6	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	7	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	8	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	9	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	10	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	12	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	13	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	15	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	16	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	18	1.29
(2,456)	1:151:A:ILE:HA	1:151:A:ILE:HB	19	1.29
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	2	1.29
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	4	1.29
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	9	1.29
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	12	1.29
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	14	1.29
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	8	1.29
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB1	6	1.29
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB2	6	1.29
(2,381)	1:20:A:ALA:H	1:20:A:ALA:HB3	6	1.29
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	4	1.29
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	5	1.29
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	6	1.29
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	7	1.29
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	11	1.29
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	13	1.29
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	15	1.29
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	5	1.29
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	9	1.29
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	11	1.29
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	13	1.29
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	19	1.29
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	20	1.29
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	2	1.29
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	3	1.29
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	5	1.29
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	8	1.29
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	9	1.29
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	10	1.29
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	14	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	15	1.29
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	16	1.29
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	17	1.29
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	18	1.29
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	19	1.29
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	11	1.29
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	7	1.29
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	15	1.29
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	18	1.29
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	19	1.29
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	6	1.29
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	17	1.29
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	13	1.29
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	3	1.29
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	20	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	1	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	2	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	3	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	4	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	5	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	6	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	7	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	8	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	9	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	10	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	11	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	12	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	13	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	14	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	15	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	16	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	17	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	18	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	19	1.29
(2,195)	1:105:A:ARG:HB2	1:105:A:ARG:HB3	20	1.29
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	20	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	1	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	2	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	3	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	4	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	5	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	6	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	7	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	8	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	9	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	10	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	11	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	12	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	13	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	14	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	15	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	16	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	17	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	18	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	19	1.29
(2,178)	1:52:A:PRO:HB2	1:52:A:PRO:HB3	20	1.29
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	4	1.29
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	4	1.29
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	4	1.29
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	20	1.29
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	20	1.29
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	20	1.29
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	4	1.29
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	10	1.29
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	11	1.29
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	6	1.29
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	9	1.29
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	9	1.29
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	9	1.29
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	9	1.29
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	9	1.29
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	9	1.29
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	9	1.29
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	9	1.29
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	9	1.29
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	14	1.29
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	14	1.29
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	14	1.29
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	14	1.29
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	14	1.29
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	14	1.29
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	14	1.29
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	14	1.29
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	14	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	16	1.29
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	16	1.29
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	16	1.29
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	16	1.29
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	16	1.29
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	16	1.29
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	16	1.29
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	16	1.29
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	16	1.29
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	2	1.28
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	2	1.28
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	2	1.28
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	7	1.28
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	7	1.28
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	7	1.28
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	3	1.28
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	8	1.28
(4,622)	1:25:A:SER:H	1:23:A:ARG:H	7	1.28
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	11	1.28
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	18	1.28
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	18	1.28
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	18	1.28
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	1	1.28
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	10	1.28
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	16	1.28
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	10	1.28
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	10	1.28
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD1	2	1.28
(3,46)	1:22:A:PHE:HB2	1:22:A:PHE:HD2	2	1.28
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	6	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	2	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	2	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	7	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	7	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	8	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	8	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	9	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	9	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	11	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	11	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	16	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	16	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	18	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	18	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	19	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	19	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE1	20	1.28
(2,3165)	1:114:A:TYR:HB2	1:114:A:TYR:HE2	20	1.28
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	3	1.28
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	20	1.28
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	15	1.28
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	5	1.28
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	5	1.28
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	5	1.28
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	14	1.28
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	14	1.28
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	14	1.28
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	1	1.28
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	1	1.28
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	1	1.28
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	2	1.28
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	6	1.28
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	7	1.28
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	8	1.28
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	11	1.28
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	16	1.28
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	7	1.28
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	10	1.28
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	13	1.28
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	15	1.28
(2,2960)	1:158:A:PRO:HB3	1:158:A:PRO:HA	9	1.28
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	14	1.28
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	15	1.28
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	15	1.28
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	15	1.28
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	13	1.28
(2,2900)	1:165:A:ILE:H	1:165:A:ILE:HA	17	1.28
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	5	1.28
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	5	1.28
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	6	1.28
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	6	1.28
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	13	1.28
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	13	1.28
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	15	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	15	1.28
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	11	1.28
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	3	1.28
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	5	1.28
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	6	1.28
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	9	1.28
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	19	1.28
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	4	1.28
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	18	1.28
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	1	1.28
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	8	1.28
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	14	1.28
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	18	1.28
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	20	1.28
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	1	1.28
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	15	1.28
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	4	1.28
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	13	1.28
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	15	1.28
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	3	1.28
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	13	1.28
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	1	1.28
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	3	1.28
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	5	1.28
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	7	1.28
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	8	1.28
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	12	1.28
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	14	1.28
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	17	1.28
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	18	1.28
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	20	1.28
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	19	1.28
(2,2657)	1:119:A:SER:HA	1:119:A:SER:HB2	2	1.28
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	3	1.28
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	13	1.28
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	17	1.28
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	7	1.28
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	12	1.28
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	15	1.28
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	19	1.28
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	20	1.28
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	7	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	4	1.28
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	4	1.28
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	4	1.28
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	13	1.28
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	13	1.28
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	13	1.28
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	15	1.28
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	15	1.28
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	15	1.28
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	17	1.28
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	17	1.28
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	17	1.28
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	1	1.28
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	6	1.28
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	15	1.28
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	17	1.28
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	20	1.28
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	1	1.28
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	8	1.28
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	12	1.28
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	12	1.28
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	12	1.28
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	2	1.28
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	3	1.28
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	5	1.28
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	11	1.28
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	11	1.28
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	11	1.28
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	20	1.28
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	20	1.28
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	20	1.28
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	6	1.28
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	12	1.28
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	5	1.28
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	11	1.28
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	18	1.28
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	2	1.28
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	10	1.28
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	14	1.28
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	20	1.28
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	6	1.28
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	8	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	9	1.28
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	9	1.28
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	9	1.28
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	10	1.28
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	2	1.28
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	19	1.28
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	20	1.28
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	10	1.28
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	6	1.28
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	9	1.28
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	11	1.28
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	14	1.28
(2,2204)	1:46:A:ILE:HB	1:46:A:ILE:HA	15	1.28
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	11	1.28
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	2	1.28
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	3	1.28
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	7	1.28
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	8	1.28
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	14	1.28
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	16	1.28
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	19	1.28
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	20	1.28
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	4	1.28
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	4	1.28
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	4	1.28
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	5	1.28
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	5	1.28
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	5	1.28
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	6	1.28
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	6	1.28
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	6	1.28
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	12	1.28
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	12	1.28
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	12	1.28
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	15	1.28
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	15	1.28
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	15	1.28
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	20	1.28
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	20	1.28
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	20	1.28
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	19	1.28
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	9	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	12	1.28
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	12	1.28
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	6	1.28
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	14	1.28
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	18	1.28
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	19	1.28
(2,2021)	1:4:A:LEU:HB2	1:4:A:LEU:HA	7	1.28
(2,2004)	1:77:A:ARG:HG3	1:78:A:VAL:H	11	1.28
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	6	1.28
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	1	1.28
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	11	1.28
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	15	1.28
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	20	1.28
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	5	1.28
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	13	1.28
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	19	1.28
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	20	1.28
(2,1911)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	14	1.28
(2,1911)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	14	1.28
(2,1911)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	14	1.28
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	1	1.28
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	9	1.28
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	10	1.28
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	16	1.28
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	20	1.28
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	10	1.28
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	1	1.28
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	7	1.28
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	11	1.28
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	9	1.28
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	9	1.28
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	9	1.28
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	15	1.28
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	15	1.28
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	9	1.28
(2,1744)	1:44:A:GLN:HB2	1:44:A:GLN:HA	8	1.28
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	15	1.28
(2,1705)	1:156:A:ILE:HG12	1:156:A:ILE:HA	20	1.28
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	4	1.28
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	4	1.28
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	4	1.28
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	18	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	18	1.28
(2,1661)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	18	1.28
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	15	1.28
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	15	1.28
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	15	1.28
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	12	1.28
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	4	1.28
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	5	1.28
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	6	1.28
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	7	1.28
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	9	1.28
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	12	1.28
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	13	1.28
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	15	1.28
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	16	1.28
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	17	1.28
(2,1633)	1:103:A:ARG:HG3	1:103:A:ARG:HB3	19	1.28
(2,1613)	1:60:A:HIS:HB3	1:60:A:HIS:HD2	9	1.28
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	3	1.28
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	5	1.28
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	2	1.28
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	19	1.28
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	12	1.28
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	18	1.28
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	12	1.28
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	3	1.28
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	13	1.28
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	19	1.28
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	13	1.28
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	2	1.28
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	5	1.28
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	7	1.28
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	8	1.28
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	15	1.28
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	1	1.28
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	3	1.28
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	4	1.28
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	8	1.28
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	10	1.28
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	14	1.28
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	16	1.28
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	18	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	19	1.28
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	3	1.28
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	5	1.28
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	8	1.28
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	10	1.28
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	14	1.28
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	17	1.28
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	18	1.28
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	19	1.28
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	20	1.28
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	3	1.28
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	1	1.28
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	1	1.28
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	1	1.28
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	3	1.28
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	3	1.28
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	3	1.28
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	4	1.28
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	4	1.28
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	4	1.28
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	8	1.28
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	8	1.28
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	8	1.28
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	9	1.28
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	9	1.28
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	9	1.28
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	17	1.28
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	17	1.28
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	17	1.28
(2,1369)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	19	1.28
(2,1369)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	19	1.28
(2,1369)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	19	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	5	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	5	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	5	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	9	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	9	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	9	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	11	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	11	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	11	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	14	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	14	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	14	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	16	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	16	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	16	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	17	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	17	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	17	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	19	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	19	1.28
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	19	1.28
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG21	11	1.28
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG22	11	1.28
(2,1310)	1:25:A:SER:H	1:24:A:ILE:HG23	11	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	1	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	1	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	1	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	6	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	6	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	6	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	8	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	8	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	8	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	10	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	10	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	10	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	18	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	18	1.28
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	18	1.28
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	16	1.28
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	2	1.28
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	2	1.28
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	4	1.28
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	4	1.28
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	5	1.28
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	5	1.28
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	8	1.28
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	8	1.28
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	11	1.28
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	11	1.28
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	12	1.28
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	12	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	14	1.28
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	14	1.28
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	16	1.28
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	16	1.28
(2,1227)	1:59:A:TYR:HE1	1:59:A:TYR:HB2	20	1.28
(2,1227)	1:59:A:TYR:HE2	1:59:A:TYR:HB2	20	1.28
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	15	1.28
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	20	1.28
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	7	1.28
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD11	11	1.28
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD12	11	1.28
(2,1187)	1:57:A:ILE:HA	1:57:A:ILE:HD13	11	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	2	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	5	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	7	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	8	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	9	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	11	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	12	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	13	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	14	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	15	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	18	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	19	1.28
(2,1071)	1:23:A:ARG:HA	1:23:A:ARG:H	20	1.28
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	2	1.28
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	2	1.28
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	10	1.28
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	17	1.28
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	17	1.28
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	17	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	11	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	11	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	11	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	11	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	11	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	11	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	11	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	11	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	11	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	14	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	14	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	14	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	14	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	14	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	14	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	14	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	14	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	14	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	15	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	15	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	15	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	15	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	15	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	15	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	15	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	15	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	15	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	18	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	18	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	18	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	18	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	18	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	18	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	18	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	18	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	18	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	19	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	19	1.28
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	19	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	19	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	19	1.28
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	19	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	19	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	19	1.28
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	19	1.28
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	13	1.28
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	2	1.28
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	12	1.28
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	14	1.28
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	4	1.28
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	17	1.28
(2,816)	1:134:A:ILE:H	1:134:A:ILE:HB	20	1.28
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	3	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	8	1.28
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	8	1.28
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	8	1.28
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB1	19	1.28
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB2	19	1.28
(2,743)	1:113:A:ALA:H	1:113:A:ALA:HB3	19	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	2	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	2	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	2	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	3	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	3	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	3	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	4	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	4	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	4	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	6	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	6	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	6	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	7	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	7	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	7	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	9	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	9	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	9	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	10	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	10	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	10	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	11	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	11	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	11	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	14	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	14	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	14	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	15	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	15	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	15	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	16	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	16	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	16	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	17	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	17	1.28
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	17	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	2	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	2	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	3	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	3	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	4	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	4	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	6	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	6	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	8	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	8	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	9	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	9	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	10	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	10	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	11	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	11	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	15	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	15	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	17	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	17	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	19	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	19	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	20	1.28
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	20	1.28
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	3	1.28
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	5	1.28
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	13	1.28
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	17	1.28
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	7	1.28
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	7	1.28
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	7	1.28
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	13	1.28
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	13	1.28
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	13	1.28
(2,641)	1:138:A:VAL:HG11	1:138:A:VAL:HA	18	1.28
(2,641)	1:138:A:VAL:HG12	1:138:A:VAL:HA	18	1.28
(2,641)	1:138:A:VAL:HG13	1:138:A:VAL:HA	18	1.28
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	6	1.28
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	1	1.28
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	3	1.28
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	4	1.28
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	5	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	7	1.28
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	8	1.28
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	9	1.28
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	12	1.28
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	16	1.28
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	17	1.28
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	19	1.28
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	2	1.28
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	1	1.28
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	2	1.28
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	4	1.28
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	5	1.28
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	7	1.28
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	9	1.28
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	10	1.28
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	12	1.28
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	14	1.28
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	15	1.28
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	18	1.28
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	19	1.28
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	2	1.28
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	8	1.28
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	8	1.28
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	8	1.28
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	8	1.28
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	8	1.28
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	8	1.28
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	8	1.28
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	8	1.28
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	8	1.28
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	15	1.28
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	16	1.28
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	10	1.28
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	12	1.28
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	16	1.28
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	17	1.28
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	20	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	1	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	2	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	3	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	4	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	6	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	7	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	8	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	10	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	12	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	14	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	15	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	16	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	17	1.28
(2,357)	1:52:A:PRO:HG2	1:52:A:PRO:HD2	18	1.28
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	6	1.28
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	11	1.28
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	13	1.28
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	1	1.28
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	7	1.28
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	20	1.28
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	17	1.28
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	4	1.28
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	14	1.28
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	3	1.28
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	3	1.28
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	3	1.28
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	5	1.28
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	5	1.28
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	5	1.28
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	12	1.28
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	12	1.28
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	12	1.28
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	18	1.28
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	18	1.28
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	18	1.28
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	2	1.28
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	17	1.28
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	2	1.28
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	7	1.28
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	8	1.28
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	13	1.28
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	16	1.28
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	19	1.28
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	19	1.28
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	19	1.28
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	6	1.28
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	8	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	13	1.28
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	15	1.28
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	2	1.28
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	4	1.28
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	9	1.28
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	13	1.28
(2,96)	1:148:A:LYS:HA	1:149:A:ASP:H	17	1.28
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	9	1.28
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	14	1.28
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	6	1.28
(1,7)	1:123:A:TYR:HE1	1:122:A:HIS:HB2	19	1.28
(1,7)	1:123:A:TYR:HE2	1:122:A:HIS:HB2	19	1.28
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	1	1.27
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	16	1.27
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	12	1.27
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	15	1.27
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	15	1.27
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	15	1.27
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	9	1.27
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	19	1.27
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	20	1.27
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	12	1.27
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	14	1.27
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	11	1.27
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	12	1.27
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	17	1.27
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	19	1.27
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	4	1.27
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	4	1.27
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	4	1.27
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	14	1.27
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	5	1.27
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	4	1.27
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	7	1.27
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	15	1.27
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	18	1.27
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	6	1.27
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	1	1.27
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	1	1.27
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	1	1.27
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	8	1.27
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	8	1.27
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	9	1.27
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	9	1.27
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	9	1.27
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	10	1.27
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	10	1.27
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	10	1.27
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	1	1.27
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	5	1.27
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	18	1.27
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	20	1.27
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	4	1.27
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	4	1.27
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	4	1.27
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	11	1.27
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	11	1.27
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	11	1.27
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	12	1.27
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	12	1.27
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	12	1.27
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	13	1.27
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	13	1.27
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	13	1.27
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	16	1.27
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	16	1.27
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	16	1.27
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	14	1.27
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	20	1.27
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	13	1.27
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	11	1.27
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	17	1.27
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	18	1.27
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	19	1.27
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	7	1.27
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	14	1.27
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	19	1.27
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	4	1.27
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	8	1.27
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	2	1.27
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	4	1.27
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	5	1.27
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	14	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	16	1.27
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	17	1.27
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	19	1.27
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	20	1.27
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	11	1.27
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	17	1.27
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	17	1.27
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	8	1.27
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	13	1.27
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	1	1.27
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	7	1.27
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	8	1.27
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	10	1.27
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	12	1.27
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	13	1.27
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	15	1.27
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	16	1.27
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	17	1.27
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	18	1.27
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	20	1.27
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	2	1.27
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	6	1.27
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	2	1.27
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	4	1.27
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	5	1.27
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	6	1.27
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	7	1.27
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	10	1.27
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	11	1.27
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	16	1.27
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	17	1.27
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	19	1.27
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	7	1.27
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	7	1.27
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	7	1.27
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	8	1.27
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	8	1.27
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	8	1.27
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	7	1.27
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	8	1.27
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	15	1.27
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	2	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	6	1.27
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	8	1.27
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	11	1.27
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	18	1.27
(2,2698)	1:12:A:GLY:HA3	1:12:A:GLY:H	16	1.27
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	5	1.27
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	7	1.27
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	16	1.27
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	1	1.27
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	2	1.27
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	8	1.27
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	9	1.27
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	10	1.27
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	11	1.27
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	12	1.27
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	16	1.27
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	19	1.27
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	20	1.27
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	20	1.27
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	20	1.27
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	1	1.27
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	2	1.27
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	3	1.27
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	5	1.27
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	6	1.27
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	8	1.27
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	9	1.27
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	11	1.27
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	13	1.27
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	16	1.27
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	17	1.27
(2,2626)	1:145:A:MET:HB3	1:145:A:MET:H	3	1.27
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	1	1.27
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	1	1.27
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	1	1.27
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	5	1.27
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	5	1.27
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	5	1.27
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	7	1.27
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	7	1.27
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	7	1.27
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	3	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	2	1.27
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	18	1.27
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	18	1.27
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	18	1.27
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	1	1.27
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	3	1.27
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	6	1.27
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	8	1.27
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	9	1.27
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	15	1.27
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	16	1.27
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	17	1.27
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	3	1.27
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	3	1.27
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	3	1.27
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	12	1.27
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	12	1.27
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	12	1.27
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	15	1.27
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	15	1.27
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	15	1.27
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	12	1.27
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	20	1.27
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	5	1.27
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	8	1.27
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	9	1.27
(2,2435)	1:17:A:SER:HA	1:18:A:ILE:H	1	1.27
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	6	1.27
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	18	1.27
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	5	1.27
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	9	1.27
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	12	1.27
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	15	1.27
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	17	1.27
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	18	1.27
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	19	1.27
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	1	1.27
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	3	1.27
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	4	1.27
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	9	1.27
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	14	1.27
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	15	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	16	1.27
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	11	1.27
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	16	1.27
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	7	1.27
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	1	1.27
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	20	1.27
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	20	1.27
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	20	1.27
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	2	1.27
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	5	1.27
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	1	1.27
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	5	1.27
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	6	1.27
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	9	1.27
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	10	1.27
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	12	1.27
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	13	1.27
(2,2148)	1:109:A:GLY:HA3	1:109:A:GLY:H	15	1.27
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	1	1.27
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	1	1.27
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	1	1.27
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	9	1.27
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	9	1.27
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	9	1.27
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	11	1.27
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	11	1.27
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	11	1.27
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	13	1.27
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	13	1.27
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	13	1.27
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	16	1.27
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	2	1.27
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	5	1.27
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	7	1.27
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	3	1.27
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	3	1.27
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	9	1.27
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	10	1.27
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	11	1.27
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	13	1.27
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	16	1.27
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	17	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	20	1.27
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	15	1.27
(2,2078)	1:40:A:LEU:HB2	1:40:A:LEU:H	11	1.27
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	15	1.27
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	2	1.27
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	4	1.27
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	5	1.27
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	6	1.27
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	7	1.27
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	9	1.27
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	10	1.27
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	14	1.27
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	17	1.27
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	19	1.27
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	12	1.27
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	17	1.27
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	10	1.27
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	16	1.27
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	16	1.27
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	16	1.27
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	11	1.27
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	3	1.27
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	5	1.27
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	13	1.27
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	14	1.27
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	19	1.27
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	12	1.27
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	3	1.27
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	20	1.27
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	6	1.27
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	8	1.27
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	16	1.27
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD21	1	1.27
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD22	1	1.27
(2,1656)	1:36:A:LEU:HA	1:36:A:LEU:HD23	1	1.27
(2,1623)	1:80:A:LYS:HB3	1:72:A:LEU:HB2	3	1.27
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	1	1.27
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	4	1.27
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	5	1.27
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	13	1.27
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	16	1.27
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	17	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	1	1.27
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	2	1.27
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	4	1.27
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	6	1.27
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	7	1.27
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	8	1.27
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	9	1.27
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	11	1.27
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	14	1.27
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	10	1.27
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	2	1.27
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	6	1.27
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	17	1.27
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	1	1.27
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	2	1.27
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	9	1.27
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	16	1.27
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	11	1.27
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	12	1.27
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	10	1.27
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	10	1.27
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	10	1.27
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	10	1.27
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	14	1.27
(2,1281)	1:8:A:GLN:HG3	1:8:A:GLN:HA	7	1.27
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	7	1.27
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	7	1.27
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	7	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	1	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	2	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	3	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	4	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	5	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	6	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	7	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	8	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	9	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	10	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	11	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	12	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	13	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	14	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	16	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	17	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	18	1.27
(2,1224)	1:40:A:LEU:HA	1:40:A:LEU:H	19	1.27
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	17	1.27
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	10	1.27
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	10	1.27
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	10	1.27
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	13	1.27
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	13	1.27
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	13	1.27
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	20	1.27
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	12	1.27
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	12	1.27
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	6	1.27
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD21	7	1.27
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD22	7	1.27
(2,1028)	1:4:A:LEU:HB3	1:4:A:LEU:HD23	7	1.27
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	3	1.27
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	3	1.27
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	3	1.27
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	5	1.27
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	5	1.27
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	5	1.27
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	13	1.27
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	13	1.27
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	13	1.27
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	16	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	3	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	3	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	3	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	3	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	3	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	3	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	3	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	3	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	3	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	4	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	4	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	4	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	4	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	4	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	4	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	4	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	4	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	4	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	5	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	5	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	5	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	5	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	5	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	5	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	5	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	5	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	5	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	9	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	9	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	9	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	9	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	9	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	9	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	9	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	9	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	9	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	12	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	12	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	12	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	12	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	12	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	12	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	12	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	12	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	12	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	13	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	13	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	13	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	13	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	13	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	13	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	13	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	13	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	13	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	20	1.27
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	20	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	20	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	20	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	20	1.27
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	20	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	20	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	20	1.27
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	20	1.27
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	19	1.27
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	5	1.27
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	5	1.27
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	5	1.27
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	5	1.27
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	16	1.27
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	16	1.27
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	16	1.27
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	3	1.27
(2,895)	1:120:A:LYS:HG3	1:120:A:LYS:HB2	8	1.27
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	16	1.27
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	9	1.27
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	20	1.27
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	11	1.27
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	11	1.27
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	11	1.27
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	2	1.27
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	20	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	1	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	1	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	5	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	5	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	7	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	7	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	12	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	12	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	13	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	13	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	14	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	14	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	16	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	16	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE1	18	1.27
(2,678)	1:114:A:TYR:HB3	1:114:A:TYR:HE2	18	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	1	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	2	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	4	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	6	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	7	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	8	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	9	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	10	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	11	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	12	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	14	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	15	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	16	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	18	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	19	1.27
(2,673)	1:166:A:ASN:H	1:166:A:ASN:HA	20	1.27
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	2	1.27
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	2	1.27
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	2	1.27
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	4	1.27
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	4	1.27
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	4	1.27
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	5	1.27
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	5	1.27
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	5	1.27
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	14	1.27
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	2	1.27
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	6	1.27
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	10	1.27
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	11	1.27
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	13	1.27
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	14	1.27
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	15	1.27
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	18	1.27
(2,637)	1:24:A:ILE:HB	1:24:A:ILE:HA	20	1.27
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	12	1.27
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	3	1.27
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	6	1.27
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	8	1.27
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	13	1.27
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	16	1.27
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	17	1.27
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	1	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	16	1.27
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	16	1.27
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	16	1.27
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	16	1.27
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	16	1.27
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	16	1.27
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	16	1.27
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	16	1.27
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	16	1.27
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	6	1.27
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	12	1.27
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	6	1.27
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	10	1.27
(2,424)	1:45:A:SER:HB3	1:45:A:SER:HA	18	1.27
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	1	1.27
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	2	1.27
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	3	1.27
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	6	1.27
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	12	1.27
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	1	1.27
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	1	1.27
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	3	1.27
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	4	1.27
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	5	1.27
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	8	1.27
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	13	1.27
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	16	1.27
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	14	1.27
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	2	1.27
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	3	1.27
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	5	1.27
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	7	1.27
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	12	1.27
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	13	1.27
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	15	1.27
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	18	1.27
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	20	1.27
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	19	1.27
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	2	1.27
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	2	1.27
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	2	1.27
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	12	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	12	1.27
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	12	1.27
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	18	1.27
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	18	1.27
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	18	1.27
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	11	1.27
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	11	1.27
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	11	1.27
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	11	1.27
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	11	1.27
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	13	1.27
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	19	1.27
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	9	1.27
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	16	1.27
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	8	1.27
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	1	1.27
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	5	1.27
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	9	1.27
(2,104)	1:54:A:PRO:HB2	1:54:A:PRO:HA	16	1.27
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	19	1.27
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	1	1.27
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	2	1.27
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	3	1.27
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	5	1.27
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	6	1.27
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	7	1.27
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	10	1.27
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	12	1.27
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	14	1.27
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	17	1.27
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	18	1.27
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	20	1.27
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	6	1.27
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	6	1.27
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	6	1.27
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	6	1.27
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	6	1.27
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	6	1.27
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	6	1.27
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	6	1.27
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	6	1.27
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD11	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD12	8	1.27
(1,18)	1:18:A:ILE:HG21	1:48:A:ILE:HD13	8	1.27
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD11	8	1.27
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD12	8	1.27
(1,18)	1:18:A:ILE:HG22	1:48:A:ILE:HD13	8	1.27
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD11	8	1.27
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD12	8	1.27
(1,18)	1:18:A:ILE:HG23	1:48:A:ILE:HD13	8	1.27
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	5	1.26
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	9	1.26
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	16	1.26
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	16	1.26
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	16	1.26
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	14	1.26
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	6	1.26
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	6	1.26
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	6	1.26
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	6	1.26
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	7	1.26
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	17	1.26
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	2	1.26
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	5	1.26
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	13	1.26
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	20	1.26
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	17	1.26
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	2	1.26
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	3	1.26
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	4	1.26
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	7	1.26
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	8	1.26
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	9	1.26
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	13	1.26
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	14	1.26
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	16	1.26
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	18	1.26
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	11	1.26
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	2	1.26
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	2	1.26
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	5	1.26
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	5	1.26
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	6	1.26
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	6	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	8	1.26
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	8	1.26
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	14	1.26
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	14	1.26
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	15	1.26
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	15	1.26
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	1	1.26
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	1	1.26
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	1	1.26
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	5	1.26
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	5	1.26
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	5	1.26
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	9	1.26
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	9	1.26
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	9	1.26
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	11	1.26
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	11	1.26
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	11	1.26
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	15	1.26
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	15	1.26
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	15	1.26
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	17	1.26
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	17	1.26
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	17	1.26
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	18	1.26
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	18	1.26
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	18	1.26
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	20	1.26
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	20	1.26
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	20	1.26
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	13	1.26
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	2	1.26
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	4	1.26
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	7	1.26
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	14	1.26
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	18	1.26
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	9	1.26
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	10	1.26
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	4	1.26
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	20	1.26
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	20	1.26
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	20	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	7	1.26
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	11	1.26
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	17	1.26
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	17	1.26
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	17	1.26
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	1	1.26
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	1	1.26
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	1	1.26
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	15	1.26
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	4	1.26
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	18	1.26
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	1	1.26
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	1	1.26
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	1	1.26
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	3	1.26
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	3	1.26
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	3	1.26
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	6	1.26
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	6	1.26
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	6	1.26
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	9	1.26
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	9	1.26
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	9	1.26
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	10	1.26
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	10	1.26
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	10	1.26
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	13	1.26
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	13	1.26
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	13	1.26
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	16	1.26
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	16	1.26
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	16	1.26
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	20	1.26
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	20	1.26
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	20	1.26
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	16	1.26
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	10	1.26
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	3	1.26
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	8	1.26
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	9	1.26
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	9	1.26
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	9	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	11	1.26
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	11	1.26
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	11	1.26
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	20	1.26
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	20	1.26
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	20	1.26
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	9	1.26
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	15	1.26
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	7	1.26
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	7	1.26
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	14	1.26
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	14	1.26
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	19	1.26
(2,2795)	1:69:A:THR:HB	1:69:A:THR:HA	2	1.26
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	1	1.26
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	12	1.26
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	14	1.26
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	15	1.26
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	16	1.26
(2,2777)	1:83:A:PRO:HA	1:83:A:PRO:HB2	9	1.26
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	1	1.26
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	14	1.26
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	5	1.26
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	1	1.26
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	11	1.26
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	17	1.26
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	2	1.26
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	6	1.26
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	15	1.26
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	18	1.26
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	1	1.26
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	3	1.26
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	5	1.26
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	10	1.26
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	14	1.26
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	20	1.26
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	10	1.26
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	2	1.26
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	6	1.26
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	7	1.26
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	14	1.26
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	15	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	18	1.26
(2,2637)	1:58:A:PRO:HB3	1:58:A:PRO:HA	20	1.26
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	7	1.26
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	7	1.26
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	7	1.26
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	10	1.26
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	14	1.26
(2,2628)	1:131:A:PRO:HD2	1:131:A:PRO:HA	18	1.26
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	11	1.26
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	6	1.26
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	6	1.26
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	6	1.26
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	8	1.26
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	8	1.26
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	8	1.26
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	10	1.26
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	10	1.26
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	10	1.26
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	12	1.26
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	12	1.26
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	12	1.26
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	19	1.26
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	5	1.26
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	12	1.26
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	13	1.26
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	14	1.26
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	18	1.26
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	19	1.26
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	11	1.26
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG21	18	1.26
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG22	18	1.26
(2,2487)	1:101:A:ILE:HG12	1:101:A:ILE:HG23	18	1.26
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	4	1.26
(2,2444)	1:135:A:GLY:HA2	1:136:A:LYS:H	18	1.26
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	4	1.26
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	4	1.26
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	11	1.26
(2,2415)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	13	1.26
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	2	1.26
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	5	1.26
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	10	1.26
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	12	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	17	1.26
(2,2405)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	20	1.26
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	1	1.26
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	1	1.26
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	12	1.26
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	6	1.26
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	6	1.26
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	6	1.26
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	10	1.26
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	10	1.26
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	10	1.26
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	13	1.26
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	13	1.26
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	13	1.26
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	6	1.26
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	8	1.26
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	12	1.26
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	2	1.26
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	5	1.26
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	6	1.26
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	6	1.26
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	6	1.26
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	9	1.26
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	9	1.26
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	9	1.26
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	17	1.26
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	17	1.26
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	17	1.26
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	17	1.26
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	3	1.26
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	4	1.26
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	17	1.26
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	17	1.26
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	17	1.26
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	7	1.26
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	8	1.26
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	1	1.26
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	6	1.26
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	10	1.26
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	13	1.26
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	18	1.26
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	4	1.26
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	7	1.26
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	8	1.26
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	12	1.26
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	19	1.26
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	5	1.26
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	13	1.26
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	3	1.26
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	8	1.26
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	12	1.26
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	13	1.26
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	16	1.26
(2,1970)	1:140:A:LYS:HA	1:140:A:LYS:H	18	1.26
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	3	1.26
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	4	1.26
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	7	1.26
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	10	1.26
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	13	1.26
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	1	1.26
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	2	1.26
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	3	1.26
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	7	1.26
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	15	1.26
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	17	1.26
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	20	1.26
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	20	1.26
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	20	1.26
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	9	1.26
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	13	1.26
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	16	1.26
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	6	1.26
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	18	1.26
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	1	1.26
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	4	1.26
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	5	1.26
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	6	1.26
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	7	1.26
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	8	1.26
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	9	1.26
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	12	1.26
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	15	1.26
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	16	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	17	1.26
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	18	1.26
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	19	1.26
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	13	1.26
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	13	1.26
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	13	1.26
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	7	1.26
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG21	17	1.26
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG22	17	1.26
(2,1783)	1:151:A:ILE:HG13	1:151:A:ILE:HG23	17	1.26
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	5	1.26
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	14	1.26
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	6	1.26
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	8	1.26
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	2	1.26
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	5	1.26
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	16	1.26
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	19	1.26
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	19	1.26
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	19	1.26
(2,1585)	1:104:A:GLN:HB2	1:104:A:GLN:HA	8	1.26
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	5	1.26
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	10	1.26
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	15	1.26
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	16	1.26
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	17	1.26
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	20	1.26
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	6	1.26
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	8	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	1	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	1	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	1	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	3	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	3	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	3	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	4	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	4	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	4	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	6	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	6	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	6	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	9	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	9	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	9	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	10	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	10	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	10	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	11	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	11	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	11	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	12	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	12	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	12	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	14	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	14	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	14	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	15	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	15	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	15	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	17	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	17	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	17	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	18	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	18	1.26
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	18	1.26
(2,1508)	1:73:A:SER:H	1:73:A:SER:HB3	3	1.26
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	9	1.26
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	9	1.26
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	3	1.26
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	7	1.26
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	15	1.26
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	1	1.26
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	1	1.26
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	1	1.26
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	1	1.26
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	1	1.26
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	1	1.26
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	1	1.26
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	1	1.26
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	1	1.26
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	9	1.26
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	9	1.26
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	9	1.26
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	9	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	9	1.26
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	9	1.26
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	9	1.26
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	9	1.26
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	9	1.26
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	11	1.26
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	11	1.26
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	11	1.26
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	11	1.26
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	11	1.26
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	11	1.26
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	11	1.26
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	11	1.26
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	11	1.26
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	11	1.26
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	20	1.26
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	1	1.26
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	13	1.26
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	16	1.26
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	14	1.26
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	14	1.26
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	14	1.26
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	4	1.26
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	6	1.26
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	6	1.26
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	6	1.26
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	3	1.26
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	5	1.26
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	13	1.26
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	8	1.26
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	11	1.26
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	10	1.26
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	14	1.26
(2,1212)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	18	1.26
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	1	1.26
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	1	1.26
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	1	1.26
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	14	1.26
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	1	1.26
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	3	1.26
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	3	1.26
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	8	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	8	1.26
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	3	1.26
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	7	1.26
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	8	1.26
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	8	1.26
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	8	1.26
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	16	1.26
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	16	1.26
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	16	1.26
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	16	1.26
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	16	1.26
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	16	1.26
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	16	1.26
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	16	1.26
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	16	1.26
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD21	17	1.26
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD22	17	1.26
(2,937)	1:90:A:LEU:HD11	1:90:A:LEU:HD23	17	1.26
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD21	17	1.26
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD22	17	1.26
(2,937)	1:90:A:LEU:HD12	1:90:A:LEU:HD23	17	1.26
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD21	17	1.26
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD22	17	1.26
(2,937)	1:90:A:LEU:HD13	1:90:A:LEU:HD23	17	1.26
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	3	1.26
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	3	1.26
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	3	1.26
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	3	1.26
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	5	1.26
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	5	1.26
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	5	1.26
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	7	1.26
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	7	1.26
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	7	1.26
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	16	1.26
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	16	1.26
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	16	1.26
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	7	1.26
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	19	1.26
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	12	1.26
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	1	1.26
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	1	1.26
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	2	1.26
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	2	1.26
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	2	1.26
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	5	1.26
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	5	1.26
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	5	1.26
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	6	1.26
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	6	1.26
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	6	1.26
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	15	1.26
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	15	1.26
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	15	1.26
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	17	1.26
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	17	1.26
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	17	1.26
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	18	1.26
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	18	1.26
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	18	1.26
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	19	1.26
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	19	1.26
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	19	1.26
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	3	1.26
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	4	1.26
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	9	1.26
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	10	1.26
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	13	1.26
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	15	1.26
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	16	1.26
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	17	1.26
(2,670)	1:15:A:LEU:HD11	1:26:A:THR:HA	1	1.26
(2,670)	1:15:A:LEU:HD12	1:26:A:THR:HA	1	1.26
(2,670)	1:15:A:LEU:HD13	1:26:A:THR:HA	1	1.26
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	14	1.26
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	16	1.26
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	19	1.26
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	1	1.26
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	3	1.26
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	14	1.26
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	14	1.26
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	14	1.26
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	14	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	14	1.26
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	14	1.26
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	14	1.26
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	14	1.26
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	14	1.26
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	3	1.26
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	9	1.26
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	9	1.26
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	9	1.26
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	18	1.26
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	18	1.26
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	18	1.26
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	3	1.26
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	11	1.26
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	13	1.26
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	15	1.26
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	16	1.26
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	19	1.26
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	20	1.26
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	20	1.26
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	20	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	1	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	1	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	1	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	1	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	1	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	1	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	1	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	1	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	1	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	2	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	2	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	2	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	2	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	2	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	2	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	2	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	2	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	2	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	3	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	3	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	3	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	3	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	3	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	3	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	3	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	3	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	3	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	4	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	4	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	4	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	4	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	4	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	4	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	4	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	4	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	4	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	5	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	5	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	5	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	5	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	5	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	5	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	5	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	5	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	5	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	6	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	6	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	6	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	6	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	6	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	6	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	6	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	6	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	6	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	7	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	7	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	7	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	7	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	7	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	7	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	7	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	7	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	7	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	8	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	8	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	8	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	8	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	8	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	8	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	8	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	8	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	8	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	9	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	9	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	9	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	9	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	9	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	9	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	9	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	9	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	9	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	10	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	10	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	10	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	10	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	10	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	10	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	10	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	10	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	10	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	11	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	11	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	11	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	11	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	11	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	11	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	11	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	11	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	11	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	12	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	12	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	12	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	12	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	12	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	12	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	12	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	12	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	12	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	13	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	13	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	13	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	13	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	13	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	13	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	13	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	13	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	13	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	14	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	14	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	14	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	14	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	14	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	14	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	14	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	14	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	14	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	15	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	15	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	15	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	15	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	15	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	15	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	15	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	15	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	15	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	16	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	16	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	16	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	16	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	16	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	16	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	16	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	16	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	16	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	17	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	17	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	17	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	17	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	17	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	17	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	17	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	17	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	17	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	18	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	18	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	18	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	18	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	18	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	18	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	18	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	18	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	18	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	19	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	19	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	19	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	19	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	19	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	19	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	19	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	19	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	19	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG21	20	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG22	20	1.26
(2,452)	1:157:A:VAL:HG11	1:157:A:VAL:HG23	20	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG21	20	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG22	20	1.26
(2,452)	1:157:A:VAL:HG12	1:157:A:VAL:HG23	20	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG21	20	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG22	20	1.26
(2,452)	1:157:A:VAL:HG13	1:157:A:VAL:HG23	20	1.26
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	3	1.26
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	18	1.26
(2,355)	1:26:A:THR:HA	1:26:A:THR:H	20	1.26
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	4	1.26
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	5	1.26
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	13	1.26
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	18	1.26
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	2	1.26
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	6	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	10	1.26
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	12	1.26
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	14	1.26
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	17	1.26
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	18	1.26
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	19	1.26
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	1	1.26
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	6	1.26
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	9	1.26
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	10	1.26
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	11	1.26
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	14	1.26
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	16	1.26
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	17	1.26
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	19	1.26
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	15	1.26
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	7	1.26
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	12	1.26
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	19	1.26
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	19	1.26
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	19	1.26
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	17	1.26
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	17	1.26
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	17	1.26
(2,231)	1:59:A:TYR:HA	1:60:A:HIS:H	10	1.26
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	14	1.26
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	3	1.26
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	5	1.26
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	11	1.26
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	17	1.26
(2,116)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	14	1.26
(2,116)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	14	1.26
(2,116)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	14	1.26
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	11	1.26
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	4	1.26
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	8	1.26
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	9	1.26
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	11	1.26
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	13	1.26
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	15	1.26
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	16	1.26
(2,45)	1:89:A:ILE:HG12	1:89:A:ILE:HG13	19	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	5	1.26
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	5	1.26
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	5	1.26
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	12	1.25
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	12	1.25
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	12	1.25
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	19	1.25
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	20	1.25
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	20	1.25
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	20	1.25
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	4	1.25
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	5	1.25
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	8	1.25
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	20	1.25
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	1	1.25
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	1	1.25
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	1	1.25
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	8	1.25
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	8	1.25
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	8	1.25
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	5	1.25
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	14	1.25
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	18	1.25
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	4	1.25
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	6	1.25
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	19	1.25
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	16	1.25
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	20	1.25
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	6	1.25
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	10	1.25
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	20	1.25
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	2	1.25
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	6	1.25
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	6	1.25
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	12	1.25
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	12	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	1	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	1	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	3	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	3	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	4	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	4	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	7	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	7	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	9	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	9	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	10	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	10	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	12	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	12	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	13	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	13	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	16	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	16	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	17	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	17	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	18	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	18	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	19	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	19	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	20	1.25
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	20	1.25
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	2	1.25
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	2	1.25
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	2	1.25
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	4	1.25
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	4	1.25
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	4	1.25
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	6	1.25
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	6	1.25
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	6	1.25
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	8	1.25
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	8	1.25
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	8	1.25
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	10	1.25
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	10	1.25
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	10	1.25
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	12	1.25
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	12	1.25
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	12	1.25
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	13	1.25
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	13	1.25
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	13	1.25
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	14	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	14	1.25
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	14	1.25
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	19	1.25
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	19	1.25
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	19	1.25
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	15	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	1	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	3	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	5	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	6	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	8	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	9	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	10	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	11	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	12	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	13	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	15	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	16	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	19	1.25
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	20	1.25
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	2	1.25
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	11	1.25
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	3	1.25
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	4	1.25
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	8	1.25
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	9	1.25
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	10	1.25
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	12	1.25
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	13	1.25
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	16	1.25
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	7	1.25
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	7	1.25
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	7	1.25
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	20	1.25
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	20	1.25
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	20	1.25
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	16	1.25
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	1	1.25
(2,3053)	1:56:A:THR:H	1:56:A:THR:HB	13	1.25
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	16	1.25
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	17	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	2	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	2	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	2	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	4	1.25
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	4	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	4	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	5	1.25
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	5	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	5	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	7	1.25
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	7	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	7	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	8	1.25
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	8	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	8	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	11	1.25
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	11	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	11	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	12	1.25
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	12	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	12	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	14	1.25
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	14	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	14	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	15	1.25
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	15	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	15	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	17	1.25
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	17	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	17	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	18	1.25
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	18	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	18	1.25
(2,3048)	1:38:A:ALA:HB1	1:38:A:ALA:HA	19	1.25
(2,3048)	1:38:A:ALA:HB2	1:38:A:ALA:HA	19	1.25
(2,3048)	1:38:A:ALA:HB3	1:38:A:ALA:HA	19	1.25
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	11	1.25
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	4	1.25
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	18	1.25
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	20	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	1	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	2	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	3	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	4	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	5	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	6	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	7	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	8	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	9	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	10	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	11	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	12	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	13	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	14	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	15	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	16	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	17	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	18	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	19	1.25
(2,3025)	1:52:A:PRO:HG2	1:52:A:PRO:HG3	20	1.25
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	11	1.25
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	11	1.25
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	11	1.25
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	8	1.25
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	9	1.25
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	11	1.25
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	14	1.25
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	6	1.25
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	9	1.25
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	11	1.25
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	12	1.25
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	13	1.25
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	20	1.25
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	8	1.25
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	8	1.25
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	8	1.25
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	1	1.25
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	1	1.25
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	1	1.25
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	7	1.25
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	7	1.25
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	7	1.25
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	13	1.25
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	13	1.25
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	13	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	14	1.25
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	14	1.25
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	14	1.25
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	16	1.25
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	16	1.25
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	16	1.25
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	1	1.25
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	1	1.25
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	1	1.25
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	12	1.25
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	12	1.25
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	10	1.25
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	10	1.25
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	10	1.25
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	10	1.25
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	10	1.25
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	10	1.25
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	10	1.25
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	10	1.25
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	10	1.25
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	1	1.25
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	12	1.25
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	5	1.25
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	9	1.25
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	17	1.25
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	2	1.25
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	12	1.25
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	9	1.25
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	9	1.25
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	9	1.25
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	4	1.25
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	2	1.25
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	5	1.25
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	19	1.25
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	4	1.25
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	7	1.25
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	13	1.25
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	9	1.25
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	12	1.25
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	13	1.25
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	15	1.25
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	17	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	14	1.25
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	14	1.25
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	14	1.25
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	8	1.25
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	13	1.25
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	5	1.25
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	6	1.25
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	15	1.25
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	14	1.25
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	14	1.25
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	14	1.25
(2,2599)	1:86:A:VAL:HG11	1:86:A:VAL:H	18	1.25
(2,2599)	1:86:A:VAL:HG12	1:86:A:VAL:H	18	1.25
(2,2599)	1:86:A:VAL:HG13	1:86:A:VAL:H	18	1.25
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	5	1.25
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	13	1.25
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	20	1.25
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	9	1.25
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	20	1.25
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	1	1.25
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	1	1.25
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	1	1.25
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	9	1.25
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	9	1.25
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	9	1.25
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	4	1.25
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	10	1.25
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	11	1.25
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	20	1.25
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	2	1.25
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	4	1.25
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	5	1.25
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	7	1.25
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	8	1.25
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	9	1.25
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	11	1.25
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	13	1.25
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	14	1.25
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	15	1.25
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	2	1.25
(2,2396)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	1	1.25
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	8	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	5	1.25
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	5	1.25
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	5	1.25
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	14	1.25
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	14	1.25
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	14	1.25
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	19	1.25
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	5	1.25
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	7	1.25
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	14	1.25
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	16	1.25
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	18	1.25
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	16	1.25
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	13	1.25
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	13	1.25
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	13	1.25
(2,2124)	1:26:A:THR:HG21	1:19:A:ALA:HA	7	1.25
(2,2124)	1:26:A:THR:HG22	1:19:A:ALA:HA	7	1.25
(2,2124)	1:26:A:THR:HG23	1:19:A:ALA:HA	7	1.25
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	9	1.25
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	14	1.25
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	3	1.25
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	14	1.25
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	8	1.25
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	17	1.25
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	2	1.25
(2,2098)	1:18:A:ILE:HG12	1:18:A:ILE:HA	5	1.25
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	2	1.25
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	20	1.25
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	6	1.25
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	18	1.25
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	9	1.25
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	10	1.25
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	6	1.25
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	1	1.25
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	2	1.25
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	5	1.25
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	8	1.25
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	9	1.25
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	12	1.25
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	15	1.25
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	16	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	18	1.25
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	20	1.25
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	4	1.25
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	6	1.25
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	12	1.25
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	14	1.25
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	16	1.25
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	18	1.25
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	4	1.25
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	5	1.25
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	7	1.25
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	11	1.25
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	12	1.25
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	17	1.25
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	18	1.25
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	20	1.25
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	18	1.25
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	20	1.25
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	10	1.25
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	13	1.25
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	6	1.25
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	6	1.25
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	6	1.25
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	10	1.25
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	10	1.25
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	10	1.25
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	2	1.25
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	6	1.25
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	9	1.25
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	14	1.25
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	1	1.25
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	12	1.25
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	13	1.25
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	16	1.25
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	18	1.25
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	7	1.25
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	7	1.25
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	7	1.25
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	9	1.25
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	9	1.25
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	9	1.25
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	14	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1669)	1:31:A:GLN:HB3	1:32:A:ALA:H	7	1.25
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	14	1.25
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	1	1.25
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	7	1.25
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	9	1.25
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	13	1.25
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	2	1.25
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	12	1.25
(2,1552)	1:61:A:ILE:HA	1:62:A:ALA:H	18	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	2	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	2	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	2	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	5	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	5	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	5	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	7	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	7	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	7	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	8	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	8	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	8	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	13	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	13	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	13	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	16	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	16	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	16	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	19	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	19	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	19	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	20	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	20	1.25
(2,1518)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	20	1.25
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	8	1.25
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	10	1.25
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	4	1.25
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	1	1.25
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	2	1.25
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	6	1.25
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	6	1.25
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	6	1.25
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	6	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	6	1.25
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	6	1.25
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	6	1.25
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	6	1.25
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	6	1.25
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	7	1.25
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	7	1.25
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	7	1.25
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	7	1.25
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	7	1.25
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	7	1.25
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	7	1.25
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	7	1.25
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	7	1.25
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	18	1.25
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	18	1.25
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	18	1.25
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	18	1.25
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	18	1.25
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	18	1.25
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	18	1.25
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	18	1.25
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	18	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	1	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	2	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	3	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	4	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	5	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	6	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	7	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	8	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	9	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	10	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	12	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	13	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	14	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	15	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	16	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	17	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	18	1.25
(2,1386)	1:25:A:SER:HB2	1:25:A:SER:HB3	19	1.25
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	2	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	5	1.25
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	7	1.25
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	14	1.25
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	18	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	1	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	1	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	1	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	2	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	2	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	2	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	11	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	11	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	11	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	18	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	18	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	18	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	20	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	20	1.25
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	20	1.25
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	18	1.25
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	1	1.25
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	1	1.25
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	1	1.25
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	4	1.25
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	4	1.25
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	4	1.25
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD11	12	1.25
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD12	12	1.25
(2,1327)	1:36:A:LEU:HB3	1:36:A:LEU:HD13	12	1.25
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	1	1.25
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	6	1.25
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	8	1.25
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	12	1.25
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	19	1.25
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	4	1.25
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	14	1.25
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	5	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	1	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	2	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	3	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	4	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	5	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	6	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	7	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	8	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	9	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	10	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	11	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	12	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	13	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	14	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	15	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	16	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	17	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	18	1.25
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	20	1.25
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	7	1.25
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	7	1.25
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	7	1.25
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	18	1.25
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	18	1.25
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	18	1.25
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	19	1.25
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	19	1.25
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	19	1.25
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	7	1.25
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	10	1.25
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	13	1.25
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	18	1.25
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	16	1.25
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	17	1.25
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	10	1.25
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	15	1.25
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	2	1.25
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	3	1.25
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	11	1.25
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	18	1.25
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	10	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	1	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	1	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	1	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	2	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	2	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	2	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	4	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	4	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	4	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	6	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	6	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	6	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	7	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	7	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	7	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	9	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	9	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	9	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	10	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	10	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	10	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	11	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	11	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	11	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	12	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	12	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	12	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	14	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	14	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	14	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	15	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	15	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	15	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	16	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	16	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	16	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	18	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	18	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	18	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	19	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	19	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	19	1.25
(2,963)	1:65:A:ILE:HD11	1:65:A:ILE:HB	20	1.25
(2,963)	1:65:A:ILE:HD12	1:65:A:ILE:HB	20	1.25
(2,963)	1:65:A:ILE:HD13	1:65:A:ILE:HB	20	1.25
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	2	1.25
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	3	1.25
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	5	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	6	1.25
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	7	1.25
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	8	1.25
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	9	1.25
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	4	1.25
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	7	1.25
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	19	1.25
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	14	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	2	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	2	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	2	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	4	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	4	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	4	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	8	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	8	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	8	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	12	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	12	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	12	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	13	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	13	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	13	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	15	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	15	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	15	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	17	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	17	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	17	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	19	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	19	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	19	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	20	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	20	1.25
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	20	1.25
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	2	1.25
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	12	1.25
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	9	1.25
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	5	1.25
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	6	1.25
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	8	1.25
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	20	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	3	1.25
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	3	1.25
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	3	1.25
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	4	1.25
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	4	1.25
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	4	1.25
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	9	1.25
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	9	1.25
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	9	1.25
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	10	1.25
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	10	1.25
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	10	1.25
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	12	1.25
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	12	1.25
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	12	1.25
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	13	1.25
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	13	1.25
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	13	1.25
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	20	1.25
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	20	1.25
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	20	1.25
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	1	1.25
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	5	1.25
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	6	1.25
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	7	1.25
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	8	1.25
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	11	1.25
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	12	1.25
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	14	1.25
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	18	1.25
(2,699)	1:82:A:TYR:HA	1:82:A:TYR:HB2	19	1.25
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG21	1	1.25
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG22	1	1.25
(2,695)	1:48:A:ILE:H	1:48:A:ILE:HG23	1	1.25
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	3	1.25
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	4	1.25
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	11	1.25
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	20	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	1	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	1	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	1	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	7	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	7	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	7	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	8	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	8	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	8	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	9	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	9	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	9	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	18	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	18	1.25
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	18	1.25
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	4	1.25
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	6	1.25
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	9	1.25
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	11	1.25
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	3	1.25
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	19	1.25
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	18	1.25
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	3	1.25
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	3	1.25
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	3	1.25
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	3	1.25
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	3	1.25
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	3	1.25
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	3	1.25
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	3	1.25
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	3	1.25
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	1	1.25
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	1	1.25
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	1	1.25
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	5	1.25
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	5	1.25
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	5	1.25
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	6	1.25
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	6	1.25
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	6	1.25
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	7	1.25
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	7	1.25
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	7	1.25
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	8	1.25
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	8	1.25
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	8	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	10	1.25
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	10	1.25
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	10	1.25
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	13	1.25
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	13	1.25
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	13	1.25
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	16	1.25
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	16	1.25
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	16	1.25
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	5	1.25
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	7	1.25
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	8	1.25
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	20	1.25
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	8	1.25
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	8	1.25
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	8	1.25
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	4	1.25
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	8	1.25
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	15	1.25
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	9	1.25
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	8	1.25
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	9	1.25
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	11	1.25
(2,306)	1:22:A:PHE:HA	1:23:A:ARG:H	15	1.25
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	8	1.25
(2,296)	1:50:A:GLY:H	1:50:A:GLY:HA2	8	1.25
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	17	1.25
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	1	1.25
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	14	1.25
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	19	1.25
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	14	1.25
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	14	1.25
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	14	1.25
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	1	1.25
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	1	1.25
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	1	1.25
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	3	1.25
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	3	1.25
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	3	1.25
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	14	1.25
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	14	1.25
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	14	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	18	1.25
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	2	1.25
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	2	1.25
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	2	1.25
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	14	1.25
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	14	1.25
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	14	1.25
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	1	1.25
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	7	1.25
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	10	1.25
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	1	1.25
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	10	1.25
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	14	1.25
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	18	1.25
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	19	1.25
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	14	1.25
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	7	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	1	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	2	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	3	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	4	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	5	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	6	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	7	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	8	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	9	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	10	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	11	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	12	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	13	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	14	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	15	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	16	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	17	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	18	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	19	1.25
(2,48)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	20	1.25
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	20	1.24
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	20	1.24
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	20	1.24
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	4	1.24
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	6	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	2	1.24
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	6	1.24
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	17	1.24
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	13	1.24
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	13	1.24
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	13	1.24
(4,876)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	1	1.24
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	4	1.24
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	3	1.24
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	10	1.24
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	4	1.24
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	4	1.24
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	4	1.24
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	19	1.24
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	19	1.24
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	19	1.24
(4,113)	1:33:A:ASN:HB3	1:32:A:ALA:H	15	1.24
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	11	1.24
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	11	1.24
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	11	1.24
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD1	11	1.24
(3,11)	1:22:A:PHE:HB3	1:22:A:PHE:HD2	11	1.24
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	3	1.24
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	3	1.24
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	3	1.24
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	7	1.24
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	7	1.24
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	7	1.24
(2,3209)	1:100:A:ILE:HD11	1:100:A:ILE:HA	16	1.24
(2,3209)	1:100:A:ILE:HD12	1:100:A:ILE:HA	16	1.24
(2,3209)	1:100:A:ILE:HD13	1:100:A:ILE:HA	16	1.24
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	8	1.24
(2,3194)	1:103:A:ARG:HA	1:104:A:GLN:H	9	1.24
(2,3156)	1:110:A:PRO:HG3	1:110:A:PRO:HD2	17	1.24
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	1	1.24
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	8	1.24
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	15	1.24
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	3	1.24
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	3	1.24
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	3	1.24
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	7	1.24
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	7	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	7	1.24
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	13	1.24
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	13	1.24
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	13	1.24
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	2	1.24
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	6	1.24
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	14	1.24
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	17	1.24
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	6	1.24
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	6	1.24
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	6	1.24
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	19	1.24
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	19	1.24
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	19	1.24
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	18	1.24
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	19	1.24
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	1	1.24
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	2	1.24
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	7	1.24
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	10	1.24
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	11	1.24
(2,3049)	1:110:A:PRO:HA	1:110:A:PRO:HB3	20	1.24
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	9	1.24
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	10	1.24
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	13	1.24
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	14	1.24
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	17	1.24
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	19	1.24
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	4	1.24
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	14	1.24
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	15	1.24
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	15	1.24
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	15	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	1	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	1	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	1	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	2	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	2	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	2	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	5	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	5	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	5	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	6	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	6	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	6	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	11	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	11	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	11	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	15	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	15	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	15	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	17	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	17	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	17	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	20	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	20	1.24
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	20	1.24
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	1	1.24
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	1	1.24
(2,2961)	1:120:A:LYS:HG2	1:120:A:LYS:HG3	18	1.24
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	11	1.24
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	11	1.24
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	11	1.24
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	11	1.24
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	2	1.24
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	2	1.24
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	2	1.24
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	4	1.24
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	4	1.24
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	4	1.24
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	5	1.24
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	5	1.24
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	5	1.24
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	6	1.24
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	6	1.24
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	6	1.24
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	12	1.24
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	12	1.24
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	12	1.24
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	17	1.24
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	17	1.24
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	17	1.24
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	19	1.24
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	19	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	19	1.24
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	8	1.24
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	8	1.24
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	8	1.24
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	9	1.24
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	9	1.24
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	9	1.24
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	18	1.24
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	18	1.24
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	18	1.24
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	10	1.24
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	13	1.24
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	16	1.24
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	19	1.24
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	3	1.24
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	3	1.24
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	11	1.24
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	11	1.24
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	19	1.24
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	19	1.24
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	9	1.24
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	9	1.24
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	9	1.24
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	9	1.24
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	9	1.24
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	9	1.24
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	9	1.24
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	9	1.24
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	9	1.24
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	15	1.24
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	5	1.24
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	5	1.24
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	5	1.24
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	13	1.24
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	19	1.24
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	15	1.24
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	16	1.24
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	4	1.24
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	6	1.24
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	9	1.24
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	12	1.24
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	13	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	15	1.24
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	16	1.24
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	18	1.24
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	20	1.24
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	3	1.24
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	19	1.24
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	20	1.24
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	16	1.24
(2,2705)	1:160:A:GLY:H	1:159:A:ASN:HA	19	1.24
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	20	1.24
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	9	1.24
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	15	1.24
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	18	1.24
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	12	1.24
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	12	1.24
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	12	1.24
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	10	1.24
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	2	1.24
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	7	1.24
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	13	1.24
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	14	1.24
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	20	1.24
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	18	1.24
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD11	11	1.24
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD12	11	1.24
(2,2584)	1:70:A:LEU:HB3	1:70:A:LEU:HD13	11	1.24
(2,2556)	1:23:A:ARG:HA	1:23:A:ARG:HG3	7	1.24
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	10	1.24
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	2	1.24
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	2	1.24
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	2	1.24
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	17	1.24
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	17	1.24
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	17	1.24
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	20	1.24
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	20	1.24
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	20	1.24
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	1	1.24
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	2	1.24
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	15	1.24
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	3	1.24
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	10	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	12	1.24
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	15	1.24
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	16	1.24
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	17	1.24
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	18	1.24
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	19	1.24
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	1	1.24
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	1	1.24
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	15	1.24
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	15	1.24
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	10	1.24
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	8	1.24
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	10	1.24
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	11	1.24
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	13	1.24
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	15	1.24
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	19	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	7	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	7	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	7	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	8	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	8	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	8	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	16	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	16	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	16	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	19	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	19	1.24
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	19	1.24
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	9	1.24
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	18	1.24
(2,2319)	1:18:A:ILE:HG13	1:18:A:ILE:HA	11	1.24
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	11	1.24
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	1	1.24
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	3	1.24
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	12	1.24
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	19	1.24
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	17	1.24
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	6	1.24
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	6	1.24
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	6	1.24
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	4	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	16	1.24
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	17	1.24
(2,2108)	1:108:A:GLY:HA2	1:108:A:GLY:H	20	1.24
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	1	1.24
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	11	1.24
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	16	1.24
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	2	1.24
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	5	1.24
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	14	1.24
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	3	1.24
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	12	1.24
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	1	1.24
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	3	1.24
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	14	1.24
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	7	1.24
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	10	1.24
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	14	1.24
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	2	1.24
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	9	1.24
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	6	1.24
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	17	1.24
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	19	1.24
(2,1959)	1:13:A:ASP:HB2	1:13:A:ASP:HA	8	1.24
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	1	1.24
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	1	1.24
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	1	1.24
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	8	1.24
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	8	1.24
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	8	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	1	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	2	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	4	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	6	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	7	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	8	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	9	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	11	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	12	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	13	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	14	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	15	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	16	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	18	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	19	1.24
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	20	1.24
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	2	1.24
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	8	1.24
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	15	1.24
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	9	1.24
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	13	1.24
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	2	1.24
(2,1796)	1:101:A:ILE:HB	1:101:A:ILE:HA	14	1.24
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	5	1.24
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	5	1.24
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	5	1.24
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	14	1.24
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	14	1.24
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	14	1.24
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	8	1.24
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	2	1.24
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	3	1.24
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	9	1.24
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	10	1.24
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	12	1.24
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	18	1.24
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	17	1.24
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	20	1.24
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	20	1.24
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	20	1.24
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	11	1.24
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	13	1.24
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	20	1.24
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	7	1.24
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	9	1.24
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	14	1.24
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	15	1.24
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	16	1.24
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	11	1.24
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	4	1.24
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	5	1.24
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	12	1.24
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	3	1.24
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	7	1.24
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	8	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	8	1.24
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	8	1.24
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	8	1.24
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	8	1.24
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	8	1.24
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	8	1.24
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	8	1.24
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	8	1.24
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	19	1.24
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	19	1.24
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	19	1.24
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	19	1.24
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	19	1.24
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	19	1.24
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	19	1.24
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	19	1.24
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	19	1.24
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	9	1.24
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	8	1.24
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	11	1.24
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	14	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	3	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	3	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	3	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	4	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	4	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	4	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	5	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	5	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	5	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	6	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	6	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	6	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	7	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	7	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	7	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	8	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	8	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	8	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	9	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	9	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	9	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	10	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	10	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	10	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	12	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	12	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	12	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	13	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	13	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	13	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	15	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	15	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	15	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	16	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	16	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	16	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	17	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	17	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	17	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG21	19	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG22	19	1.24
(2,1377)	1:100:A:ILE:H	1:100:A:ILE:HG23	19	1.24
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	6	1.24
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	18	1.24
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	20	1.24
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	5	1.24
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	14	1.24
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	2	1.24
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	2	1.24
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	2	1.24
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	9	1.24
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	9	1.24
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	9	1.24
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	14	1.24
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	14	1.24
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	14	1.24
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	20	1.24
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	20	1.24
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	20	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	1	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	2	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	4	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	5	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	6	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	9	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	10	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	11	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	12	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	13	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	14	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	15	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	18	1.24
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	20	1.24
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	2	1.24
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	9	1.24
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	11	1.24
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	15	1.24
(2,1168)	1:9:A:VAL:HB	1:9:A:VAL:HA	19	1.24
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	2	1.24
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	2	1.24
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	2	1.24
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	4	1.24
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	4	1.24
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	4	1.24
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	6	1.24
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	6	1.24
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	6	1.24
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	15	1.24
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	15	1.24
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	15	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	1	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	2	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	3	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	4	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	5	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	6	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	7	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	8	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	9	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	10	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	12	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	15	1.24
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	18	1.24
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	17	1.24
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	17	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE1	7	1.24
(2,1060)	1:99:A:TYR:HA	1:99:A:TYR:HE2	7	1.24
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	15	1.24
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	1	1.24
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	4	1.24
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	18	1.24
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	10	1.24
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	9	1.24
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	14	1.24
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	17	1.24
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	19	1.24
(2,940)	1:73:A:SER:HB2	1:73:A:SER:HA	15	1.24
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	4	1.24
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	4	1.24
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	4	1.24
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	7	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	6	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	6	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	6	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	9	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	9	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	9	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	10	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	10	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	10	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	11	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	11	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	11	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	14	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	14	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	14	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	18	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	18	1.24
(2,860)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	18	1.24
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	4	1.24
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	15	1.24
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	18	1.24
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	1	1.24
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	6	1.24
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	10	1.24
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	13	1.24
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	17	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	18	1.24
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	20	1.24
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	1	1.24
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	8	1.24
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	12	1.24
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	18	1.24
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	20	1.24
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	19	1.24
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	7	1.24
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	7	1.24
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	7	1.24
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	8	1.24
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	8	1.24
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	8	1.24
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	14	1.24
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	14	1.24
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	14	1.24
(2,732)	1:161:A:THR:HG21	1:161:A:THR:H	16	1.24
(2,732)	1:161:A:THR:HG22	1:161:A:THR:H	16	1.24
(2,732)	1:161:A:THR:HG23	1:161:A:THR:H	16	1.24
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	1	1.24
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	2	1.24
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	5	1.24
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	9	1.24
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	10	1.24
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	13	1.24
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	17	1.24
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	2	1.24
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	6	1.24
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	7	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	2	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	2	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	2	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	4	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	4	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	4	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	10	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	10	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	10	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	12	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	12	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	12	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	13	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	13	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	13	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	15	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	15	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	15	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	16	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	16	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	16	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	19	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	19	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	19	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	20	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	20	1.24
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	20	1.24
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	7	1.24
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	16	1.24
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	19	1.24
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	20	1.24
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	11	1.24
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	17	1.24
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	6	1.24
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	6	1.24
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	6	1.24
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	6	1.24
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	6	1.24
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	6	1.24
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	6	1.24
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	6	1.24
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	6	1.24
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	18	1.24
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	18	1.24
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	18	1.24
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	18	1.24
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	18	1.24
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	18	1.24
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	18	1.24
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	18	1.24
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	18	1.24
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	2	1.24
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	2	1.24
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	2	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	3	1.24
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	3	1.24
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	3	1.24
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	4	1.24
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	4	1.24
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	4	1.24
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	11	1.24
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	11	1.24
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	11	1.24
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	12	1.24
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	12	1.24
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	12	1.24
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	15	1.24
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	15	1.24
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	15	1.24
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	17	1.24
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	17	1.24
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	17	1.24
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	19	1.24
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	19	1.24
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	19	1.24
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	1	1.24
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	2	1.24
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	4	1.24
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	14	1.24
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	5	1.24
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	14	1.24
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	8	1.24
(2,380)	1:106:A:ASN:HB3	1:106:A:ASN:HA	19	1.24
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	15	1.24
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	15	1.24
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	15	1.24
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	1	1.24
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	16	1.24
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	2	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	1	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	2	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	3	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	5	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	6	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	7	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	8	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	9	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	10	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	11	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	12	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	13	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	14	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	15	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	18	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	19	1.24
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	20	1.24
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	6	1.24
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	17	1.24
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	2	1.24
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	3	1.24
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	4	1.24
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	5	1.24
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	9	1.24
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	12	1.24
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	15	1.24
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	16	1.24
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	17	1.24
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	18	1.24
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	1	1.24
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	5	1.24
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	8	1.24
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	9	1.24
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	10	1.24
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	15	1.24
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	16	1.24
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	1	1.24
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	1	1.24
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	1	1.24
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	9	1.24
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	9	1.24
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	9	1.24
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	15	1.24
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	15	1.24
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	15	1.24
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	16	1.24
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	15	1.24
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	4	1.24
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	18	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	4	1.24
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	6	1.24
(2,188)	1:36:A:LEU:HB2	1:36:A:LEU:HG	12	1.24
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	5	1.24
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	15	1.24
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	11	1.24
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	13	1.24
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	20	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	1	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	2	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	4	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	7	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	8	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	11	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	12	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	13	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	14	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	16	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	17	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	18	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	19	1.24
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	20	1.24
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	18	1.24
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	13	1.24
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	3	1.24
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	3	1.24
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	3	1.24
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	12	1.24
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	12	1.24
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	12	1.24
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	14	1.24
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	14	1.24
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	14	1.24
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	16	1.23
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	16	1.23
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	16	1.23
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	1	1.23
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	7	1.23
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	11	1.23
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	14	1.23
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	17	1.23
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	14	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	14	1.23
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	14	1.23
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	4	1.23
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	4	1.23
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	4	1.23
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	17	1.23
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	17	1.23
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	17	1.23
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	16	1.23
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	18	1.23
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	2	1.23
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	2	1.23
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	2	1.23
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	11	1.23
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	16	1.23
(4,876)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	7	1.23
(4,876)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	8	1.23
(4,876)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	9	1.23
(4,876)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	11	1.23
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	16	1.23
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	16	1.23
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	16	1.23
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	2	1.23
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	13	1.23
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	20	1.23
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	19	1.23
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	20	1.23
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	6	1.23
(2,3127)	1:157:A:VAL:HB	1:157:A:VAL:HA	19	1.23
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	2	1.23
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	2	1.23
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	2	1.23
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	11	1.23
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	8	1.23
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	18	1.23
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	18	1.23
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	18	1.23
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	2	1.23
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	3	1.23
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	7	1.23
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	8	1.23
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	15	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	16	1.23
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	17	1.23
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	2	1.23
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	2	1.23
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	2	1.23
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	14	1.23
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	14	1.23
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	14	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	4	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	4	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	4	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	7	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	7	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	7	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	9	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	9	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	9	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	13	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	13	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	13	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	14	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	14	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	14	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	16	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	16	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	16	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	18	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	18	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	18	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	19	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	19	1.23
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	19	1.23
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	11	1.23
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	3	1.23
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	3	1.23
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	3	1.23
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	8	1.23
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	8	1.23
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	8	1.23
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	10	1.23
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	10	1.23
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	10	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2902)	1:46:A:ILE:HG21	1:46:A:ILE:HA	18	1.23
(2,2902)	1:46:A:ILE:HG22	1:46:A:ILE:HA	18	1.23
(2,2902)	1:46:A:ILE:HG23	1:46:A:ILE:HA	18	1.23
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	2	1.23
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	2	1.23
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	2	1.23
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	7	1.23
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	7	1.23
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	7	1.23
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	10	1.23
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	10	1.23
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	10	1.23
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	13	1.23
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	13	1.23
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	13	1.23
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	1	1.23
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	8	1.23
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	3	1.23
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	20	1.23
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	2	1.23
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	2	1.23
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	15	1.23
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	6	1.23
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	6	1.23
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	6	1.23
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	6	1.23
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	6	1.23
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	6	1.23
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	6	1.23
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	6	1.23
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	6	1.23
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	18	1.23
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	18	1.23
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	18	1.23
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	18	1.23
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	18	1.23
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	18	1.23
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	18	1.23
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	18	1.23
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	18	1.23
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	2	1.23
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	7	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	11	1.23
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	11	1.23
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	11	1.23
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	8	1.23
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	9	1.23
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	13	1.23
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	7	1.23
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	9	1.23
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	10	1.23
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	3	1.23
(2,2730)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	8	1.23
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	12	1.23
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	13	1.23
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	16	1.23
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	7	1.23
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	11	1.23
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	1	1.23
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	3	1.23
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	6	1.23
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	10	1.23
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	12	1.23
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	14	1.23
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	15	1.23
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	17	1.23
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	3	1.23
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	6	1.23
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	11	1.23
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	13	1.23
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	14	1.23
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	20	1.23
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	13	1.23
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	17	1.23
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	18	1.23
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	18	1.23
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	18	1.23
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	19	1.23
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	4	1.23
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	10	1.23
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	12	1.23
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	17	1.23
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	2	1.23
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	2	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	2	1.23
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	20	1.23
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	20	1.23
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	20	1.23
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	19	1.23
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	5	1.23
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	5	1.23
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	5	1.23
(2,2510)	1:40:A:LEU:HA	1:40:A:LEU:HB3	7	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	1	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	2	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	3	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	4	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	5	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	6	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	7	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	8	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	9	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	10	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	11	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	13	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	14	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	15	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	17	1.23
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	18	1.23
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	11	1.23
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	1	1.23
(2,2454)	1:23:A:ARG:HB2	1:23:A:ARG:HG2	6	1.23
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	7	1.23
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	7	1.23
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	19	1.23
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	19	1.23
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	11	1.23
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	10	1.23
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	1	1.23
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	2	1.23
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	3	1.23
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	5	1.23
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	6	1.23
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	9	1.23
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	12	1.23
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	17	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	2	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	2	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	2	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	3	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	3	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	3	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	4	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	4	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	4	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	12	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	12	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	12	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	17	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	17	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	17	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	18	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	18	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	18	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	20	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	20	1.23
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	20	1.23
(2,2305)	1:119:A:SER:H	1:119:A:SER:HB2	16	1.23
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	14	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	1	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	2	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	3	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	4	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	5	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	6	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	7	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	8	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	9	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	10	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	11	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	12	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	13	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	14	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	15	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	16	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	17	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	18	1.23
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	19	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2211)	1:75:A:ASN:HB2	1:75:A:ASN:HB3	20	1.23
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	4	1.23
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	6	1.23
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	8	1.23
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	13	1.23
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	15	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	2	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	3	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	4	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	5	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	6	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	7	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	9	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	10	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	12	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	14	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	15	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	17	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	18	1.23
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	20	1.23
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	4	1.23
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	1	1.23
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	2	1.23
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	5	1.23
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	9	1.23
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	13	1.23
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	15	1.23
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	20	1.23
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	17	1.23
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	11	1.23
(2,1960)	1:10:A:LYS:HA	1:10:A:LYS:HB3	14	1.23
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	10	1.23
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	3	1.23
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	5	1.23
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	10	1.23
(2,1862)	1:65:A:ILE:HA	1:65:A:ILE:HB	17	1.23
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	2	1.23
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	11	1.23
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	1	1.23
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	3	1.23
(2,1836)	1:158:A:PRO:HD2	1:158:A:PRO:HG3	6	1.23
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	3	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	2	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	2	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	2	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	3	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	3	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	3	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	7	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	7	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	7	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	8	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	8	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	8	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	16	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	16	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	16	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	19	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	19	1.23
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	19	1.23
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	4	1.23
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	17	1.23
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	2	1.23
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	13	1.23
(2,1735)	1:72:A:LEU:HD11	1:72:A:LEU:HA	3	1.23
(2,1735)	1:72:A:LEU:HD12	1:72:A:LEU:HA	3	1.23
(2,1735)	1:72:A:LEU:HD13	1:72:A:LEU:HA	3	1.23
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	20	1.23
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	8	1.23
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	20	1.23
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	20	1.23
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	20	1.23
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	1	1.23
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	1	1.23
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	1	1.23
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	1	1.23
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	7	1.23
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	9	1.23
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	4	1.23
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	5	1.23
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	6	1.23
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	11	1.23
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	13	1.23
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	15	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	17	1.23
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	20	1.23
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	4	1.23
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	18	1.23
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	8	1.23
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	14	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	1	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	1	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	1	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	2	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	2	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	2	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	3	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	3	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	3	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	5	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	5	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	5	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	6	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	6	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	6	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	8	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	8	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	8	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	9	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	9	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	9	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	10	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	10	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	10	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	12	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	12	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	12	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	13	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	13	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	13	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	14	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	14	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	14	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	15	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	15	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	15	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	16	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	16	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	16	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	17	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	17	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	17	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	18	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	18	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	18	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	19	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	19	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	19	1.23
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	20	1.23
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	20	1.23
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	20	1.23
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	1	1.23
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	3	1.23
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	13	1.23
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	14	1.23
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	16	1.23
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	17	1.23
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	20	1.23
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	3	1.23
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	11	1.23
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	17	1.23
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	18	1.23
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	11	1.23
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	1	1.23
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	1	1.23
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	1	1.23
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	9	1.23
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	9	1.23
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	9	1.23
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	4	1.23
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	3	1.23
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	3	1.23
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	3	1.23
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	3	1.23
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	3	1.23
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	3	1.23
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	3	1.23
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	3	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	3	1.23
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	10	1.23
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	10	1.23
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	10	1.23
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	10	1.23
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	10	1.23
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	10	1.23
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	10	1.23
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	10	1.23
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	10	1.23
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	15	1.23
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	15	1.23
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	15	1.23
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	15	1.23
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	15	1.23
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	15	1.23
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	15	1.23
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	15	1.23
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	15	1.23
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	17	1.23
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	8	1.23
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	4	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	1	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	2	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	3	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	4	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	5	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	7	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	8	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	9	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	10	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	11	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	12	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	13	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	14	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	15	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	16	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	17	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	19	1.23
(2,1352)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	20	1.23
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	7	1.23
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	2	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	3	1.23
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	7	1.23
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	9	1.23
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	10	1.23
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	12	1.23
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	13	1.23
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	14	1.23
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	16	1.23
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	19	1.23
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	20	1.23
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	1	1.23
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	2	1.23
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	4	1.23
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	7	1.23
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	8	1.23
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	9	1.23
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	10	1.23
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	11	1.23
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	14	1.23
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	16	1.23
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	19	1.23
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	10	1.23
(2,1309)	1:58:A:PRO:HB2	1:58:A:PRO:HG3	4	1.23
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	7	1.23
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	1	1.23
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	7	1.23
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	20	1.23
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	11	1.23
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	11	1.23
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	11	1.23
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD11	15	1.23
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD12	15	1.23
(2,1260)	1:74:A:LEU:HB2	1:74:A:LEU:HD13	15	1.23
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	3	1.23
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	7	1.23
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	8	1.23
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	16	1.23
(2,1258)	1:52:A:PRO:HA	1:52:A:PRO:HB3	17	1.23
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	14	1.23
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	20	1.23
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	12	1.23
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	3	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	3	1.23
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	3	1.23
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	5	1.23
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	5	1.23
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	5	1.23
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	4	1.23
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	20	1.23
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	11	1.23
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	13	1.23
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	14	1.23
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	17	1.23
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	19	1.23
(2,1089)	1:159:A:ASN:HB2	1:159:A:ASN:HA	20	1.23
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	2	1.23
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	19	1.23
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	19	1.23
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	20	1.23
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	20	1.23
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	1	1.23
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	2	1.23
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	3	1.23
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	5	1.23
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	7	1.23
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	13	1.23
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	17	1.23
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	19	1.23
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	20	1.23
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	5	1.23
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	15	1.23
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	15	1.23
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	16	1.23
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	20	1.23
(2,977)	1:77:A:ARG:HG2	1:78:A:VAL:H	4	1.23
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	18	1.23
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	17	1.23
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	17	1.23
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	17	1.23
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	12	1.23
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	3	1.23
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	1	1.23
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	1	1.23
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	1	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	1	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	2	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	3	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	5	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	6	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	7	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	8	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	9	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	10	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	11	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	12	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	14	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	16	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	17	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	19	1.23
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	20	1.23
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	3	1.23
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	5	1.23
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	9	1.23
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	11	1.23
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	15	1.23
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	2	1.23
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	19	1.23
(2,787)	1:162:A:ARG:HB3	1:162:A:ARG:HA	4	1.23
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	5	1.23
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	11	1.23
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	15	1.23
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	16	1.23
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	19	1.23
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	6	1.23
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	8	1.23
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	12	1.23
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	15	1.23
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	16	1.23
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	20	1.23
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	3	1.23
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	8	1.23
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	15	1.23
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	18	1.23
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	13	1.23
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	19	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	3	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	3	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	3	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	5	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	5	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	5	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	6	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	6	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	6	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	14	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	14	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	14	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	17	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	17	1.23
(2,622)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	17	1.23
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	13	1.23
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	17	1.23
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	18	1.23
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	16	1.23
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	7	1.23
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	11	1.23
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	5	1.23
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	5	1.23
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	5	1.23
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	5	1.23
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	5	1.23
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	5	1.23
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	5	1.23
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	5	1.23
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	5	1.23
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	18	1.23
(2,487)	1:143:A:ILE:HD11	1:143:A:ILE:HA	14	1.23
(2,487)	1:143:A:ILE:HD12	1:143:A:ILE:HA	14	1.23
(2,487)	1:143:A:ILE:HD13	1:143:A:ILE:HA	14	1.23
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	9	1.23
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	5	1.23
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	19	1.23
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	4	1.23
(2,362)	1:58:A:PRO:HD2	1:58:A:PRO:HG3	5	1.23
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	4	1.23
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	6	1.23
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	9	1.23
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	12	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	15	1.23
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	3	1.23
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	17	1.23
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	1	1.23
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	1	1.23
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	1	1.23
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	3	1.23
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	3	1.23
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	3	1.23
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	13	1.23
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	13	1.23
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	13	1.23
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	4	1.23
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	16	1.23
(2,309)	1:162:A:ARG:HD2	1:162:A:ARG:HD3	17	1.23
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	7	1.23
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	15	1.23
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	6	1.23
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	10	1.23
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	18	1.23
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	16	1.23
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	16	1.23
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	16	1.23
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	17	1.23
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	17	1.23
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	17	1.23
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	4	1.23
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	4	1.23
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	4	1.23
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	5	1.23
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	5	1.23
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	5	1.23
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	8	1.23
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	8	1.23
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	8	1.23
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	20	1.23
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	20	1.23
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	20	1.23
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	14	1.23
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	19	1.23
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	20	1.23
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	1	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	1	1.23
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	1	1.23
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	8	1.23
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	8	1.23
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	8	1.23
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	9	1.23
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	9	1.23
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	9	1.23
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	10	1.23
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	10	1.23
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	10	1.23
(2,196)	1:33:A:ASN:HB2	1:33:A:ASN:H	12	1.23
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	4	1.23
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	6	1.23
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	7	1.23
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	3	1.23
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	9	1.23
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	19	1.23
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	3	1.23
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	5	1.23
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	6	1.23
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	9	1.23
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	10	1.23
(2,129)	1:100:A:ILE:HG12	1:100:A:ILE:HB	15	1.23
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	4	1.23
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	5	1.23
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	7	1.23
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	8	1.23
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	10	1.23
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	12	1.23
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	13	1.23
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	15	1.23
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	17	1.23
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	19	1.23
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	20	1.23
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	9	1.23
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	17	1.23
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	17	1.23
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	17	1.23
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	15	1.22
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	15	1.22
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	15	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	3	1.22
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	3	1.22
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	3	1.22
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	19	1.22
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	19	1.22
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	19	1.22
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	10	1.22
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	12	1.22
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG21	12	1.22
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG22	12	1.22
(4,1125)	1:68:A:LYS:H	1:84:A:ILE:HG23	12	1.22
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	5	1.22
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	14	1.22
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	8	1.22
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	8	1.22
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	8	1.22
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	14	1.22
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	14	1.22
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	14	1.22
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	9	1.22
(4,966)	1:2:A:ARG:HG3	1:2:A:ARG:H	7	1.22
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	9	1.22
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	2	1.22
(4,876)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	16	1.22
(4,876)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	17	1.22
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	12	1.22
(4,704)	1:77:A:ARG:HD3	1:78:A:VAL:H	4	1.22
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	20	1.22
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	20	1.22
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	20	1.22
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	19	1.22
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	13	1.22
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	16	1.22
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	4	1.22
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	4	1.22
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	4	1.22
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	5	1.22
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	5	1.22
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	5	1.22
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	12	1.22
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	12	1.22
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	12	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	15	1.22
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	15	1.22
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	15	1.22
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	9	1.22
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	9	1.22
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	9	1.22
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	10	1.22
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	10	1.22
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	10	1.22
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	17	1.22
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	18	1.22
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	20	1.22
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	9	1.22
(2,3067)	1:57:A:ILE:HB	1:57:A:ILE:H	9	1.22
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	15	1.22
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	15	1.22
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	15	1.22
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	1	1.22
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	5	1.22
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	6	1.22
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	11	1.22
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	3	1.22
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	5	1.22
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	9	1.22
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	10	1.22
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	12	1.22
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	16	1.22
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	19	1.22
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	20	1.22
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	9	1.22
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	9	1.22
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	9	1.22
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	20	1.22
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	20	1.22
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	20	1.22
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	3	1.22
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	3	1.22
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	3	1.22
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	8	1.22
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	8	1.22
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	8	1.22
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	10	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	10	1.22
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	10	1.22
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	18	1.22
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	13	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	2	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	2	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	2	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	6	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	6	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	6	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	13	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	13	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	13	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	14	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	14	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	14	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	17	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	17	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	17	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	19	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	19	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	19	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	20	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	20	1.22
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	20	1.22
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	4	1.22
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	4	1.22
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	4	1.22
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	5	1.22
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	5	1.22
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	5	1.22
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	3	1.22
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	6	1.22
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	15	1.22
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	20	1.22
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	11	1.22
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE1	10	1.22
(2,2865)	1:55:A:TYR:HB2	1:55:A:TYR:HE2	10	1.22
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	11	1.22
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	20	1.22
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	16	1.22
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	18	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	16	1.22
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	16	1.22
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	16	1.22
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	6	1.22
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	9	1.22
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	9	1.22
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	1	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	2	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	3	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	4	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	5	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	7	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	10	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	11	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	12	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	14	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	15	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	17	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	18	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	19	1.22
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	20	1.22
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	1	1.22
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	19	1.22
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	4	1.22
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	11	1.22
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	18	1.22
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	4	1.22
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	8	1.22
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	9	1.22
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	10	1.22
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	12	1.22
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	16	1.22
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	17	1.22
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	19	1.22
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	9	1.22
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	9	1.22
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	9	1.22
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	11	1.22
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	1	1.22
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	3	1.22
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	9	1.22
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	18	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	19	1.22
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	6	1.22
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	6	1.22
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	6	1.22
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	8	1.22
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	8	1.22
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	8	1.22
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	10	1.22
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	10	1.22
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	10	1.22
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	16	1.22
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	16	1.22
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	16	1.22
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	18	1.22
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	18	1.22
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	18	1.22
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	12	1.22
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	16	1.22
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	19	1.22
(2,2476)	1:131:A:PRO:HB2	1:131:A:PRO:HB3	20	1.22
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	3	1.22
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	3	1.22
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	9	1.22
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	9	1.22
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	19	1.22
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	16	1.22
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	4	1.22
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	7	1.22
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	16	1.22
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	18	1.22
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	20	1.22
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	15	1.22
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	15	1.22
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	15	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	2	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	2	1.22
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	2	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	3	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	3	1.22
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	3	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	4	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	4	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	4	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	5	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	5	1.22
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	5	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	9	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	9	1.22
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	9	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	10	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	10	1.22
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	10	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	11	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	11	1.22
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	11	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	14	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	14	1.22
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	14	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	16	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	16	1.22
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	16	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	17	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	17	1.22
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	17	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	19	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	19	1.22
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	19	1.22
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	20	1.22
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	20	1.22
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	20	1.22
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	10	1.22
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	18	1.22
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	4	1.22
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	18	1.22
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	5	1.22
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	9	1.22
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	1	1.22
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	15	1.22
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	20	1.22
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	13	1.22
(2,2107)	1:24:A:ILE:HB	1:24:A:ILE:HG13	19	1.22
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	11	1.22
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	14	1.22
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	7	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	10	1.22
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	17	1.22
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	16	1.22
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	11	1.22
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	1	1.22
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	10	1.22
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	14	1.22
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	18	1.22
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	17	1.22
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	4	1.22
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	11	1.22
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	12	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	4	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	4	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	4	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	12	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	12	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	12	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	17	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	17	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	17	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	18	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	18	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	18	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	20	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	20	1.22
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	20	1.22
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	5	1.22
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	12	1.22
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	19	1.22
(2,1777)	1:15:A:LEU:HD11	1:15:A:LEU:HA	6	1.22
(2,1777)	1:15:A:LEU:HD12	1:15:A:LEU:HA	6	1.22
(2,1777)	1:15:A:LEU:HD13	1:15:A:LEU:HA	6	1.22
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	14	1.22
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	14	1.22
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	14	1.22
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	5	1.22
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	11	1.22
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	1	1.22
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	2	1.22
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	3	1.22
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	4	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	5	1.22
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	6	1.22
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	8	1.22
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	10	1.22
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	12	1.22
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	14	1.22
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	18	1.22
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	20	1.22
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	2	1.22
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	7	1.22
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	10	1.22
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	13	1.22
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	3	1.22
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	3	1.22
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	3	1.22
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	2	1.22
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	5	1.22
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	6	1.22
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	8	1.22
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	14	1.22
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	16	1.22
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	17	1.22
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	18	1.22
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	19	1.22
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	1	1.22
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	2	1.22
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	10	1.22
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	12	1.22
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	16	1.22
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	11	1.22
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	16	1.22
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	17	1.22
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	11	1.22
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	4	1.22
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	4	1.22
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	4	1.22
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	11	1.22
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	11	1.22
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	11	1.22
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	4	1.22
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	5	1.22
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	7	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	8	1.22
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	9	1.22
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	10	1.22
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	12	1.22
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	15	1.22
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	19	1.22
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	2	1.22
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	7	1.22
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	14	1.22
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	15	1.22
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	16	1.22
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	8	1.22
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	13	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	4	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	4	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	4	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	5	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	5	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	5	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	6	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	6	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	6	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	10	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	10	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	10	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	11	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	11	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	11	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	12	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	12	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	12	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	13	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	13	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	13	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	14	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	14	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	14	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	15	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	15	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	15	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	17	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	17	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	17	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	18	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	18	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	18	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	19	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	19	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	19	1.22
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	20	1.22
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	20	1.22
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	20	1.22
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	4	1.22
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	4	1.22
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	4	1.22
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	4	1.22
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	4	1.22
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	4	1.22
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	4	1.22
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	4	1.22
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	4	1.22
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	12	1.22
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	12	1.22
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	12	1.22
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	12	1.22
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	12	1.22
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	12	1.22
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	12	1.22
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	12	1.22
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	12	1.22
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	13	1.22
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	13	1.22
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	13	1.22
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	13	1.22
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	13	1.22
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	13	1.22
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	13	1.22
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	13	1.22
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	13	1.22
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	5	1.22
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	11	1.22
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	19	1.22
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	19	1.22
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	11	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	17	1.22
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	1	1.22
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	1	1.22
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	1	1.22
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	2	1.22
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	2	1.22
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	2	1.22
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	6	1.22
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	6	1.22
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	6	1.22
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	8	1.22
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	8	1.22
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	8	1.22
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	9	1.22
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	9	1.22
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	9	1.22
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	12	1.22
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	12	1.22
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	12	1.22
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	14	1.22
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	14	1.22
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	14	1.22
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	15	1.22
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	15	1.22
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	15	1.22
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	18	1.22
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	18	1.22
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	18	1.22
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	19	1.22
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	19	1.22
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	19	1.22
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	20	1.22
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	20	1.22
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	20	1.22
(2,1323)	1:60:A:HIS:HB3	1:60:A:HIS:HA	8	1.22
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	6	1.22
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	12	1.22
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	15	1.22
(2,1319)	1:65:A:ILE:HG13	1:65:A:ILE:HB	18	1.22
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	4	1.22
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	9	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	1	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	2	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	3	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	4	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	5	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	6	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	7	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	8	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	9	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	10	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	11	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	12	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	13	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	14	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	15	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	16	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	17	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	18	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	19	1.22
(2,1301)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	20	1.22
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	2	1.22
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	5	1.22
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	9	1.22
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	8	1.22
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	15	1.22
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	16	1.22
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	17	1.22
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	17	1.22
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	17	1.22
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	2	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	2	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	2	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	3	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	3	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	5	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	5	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	7	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	7	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	9	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	9	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	10	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	10	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	12	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	12	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	14	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	14	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	16	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	16	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	18	1.22
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	18	1.22
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	20	1.22
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	6	1.22
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	11	1.22
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	13	1.22
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	7	1.22
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	2	1.22
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	3	1.22
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	19	1.22
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	13	1.22
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	13	1.22
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	13	1.22
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	15	1.22
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	15	1.22
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	15	1.22
(2,907)	1:131:A:PRO:HB3	1:131:A:PRO:HD3	20	1.22
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	6	1.22
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	6	1.22
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	6	1.22
(2,836)	1:18:A:ILE:HA	1:18:A:ILE:H	13	1.22
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	4	1.22
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	12	1.22
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	16	1.22
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	2	1.22
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	10	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	1	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	2	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	3	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	4	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	5	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	6	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	7	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	8	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	9	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	10	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	12	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	13	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	14	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	17	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	18	1.22
(2,727)	1:149:A:ASP:HB2	1:149:A:ASP:HA	20	1.22
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	8	1.22
(2,639)	1:111:A:PHE:H	1:111:A:PHE:HA	19	1.22
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	1	1.22
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	9	1.22
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	10	1.22
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	10	1.22
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	7	1.22
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	13	1.22
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	20	1.22
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	1	1.22
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	2	1.22
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	3	1.22
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	5	1.22
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	6	1.22
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	8	1.22
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	9	1.22
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	10	1.22
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	12	1.22
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	15	1.22
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	3	1.22
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	7	1.22
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	7	1.22
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	7	1.22
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	7	1.22
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	7	1.22
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	7	1.22
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	7	1.22
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	7	1.22
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	7	1.22
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	10	1.22
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	10	1.22
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	10	1.22
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	10	1.22
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	10	1.22
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	10	1.22
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	10	1.22
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	10	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	10	1.22
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	17	1.22
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	17	1.22
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	17	1.22
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	17	1.22
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	17	1.22
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	17	1.22
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	17	1.22
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	17	1.22
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	17	1.22
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	7	1.22
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	10	1.22
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	10	1.22
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	17	1.22
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	6	1.22
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	6	1.22
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	6	1.22
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	20	1.22
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	2	1.22
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	7	1.22
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	8	1.22
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	9	1.22
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	17	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	4	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	4	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	4	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	5	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	5	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	5	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	6	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	6	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	6	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	7	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	7	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	7	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	8	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	8	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	8	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	9	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	9	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	9	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	10	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	10	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	10	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	11	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	11	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	11	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	12	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	12	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	12	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	14	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	14	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	14	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	15	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	15	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	15	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	16	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	16	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	16	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	17	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	17	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	17	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	18	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	18	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	18	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	19	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	19	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	19	1.22
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	20	1.22
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	20	1.22
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	20	1.22
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	11	1.22
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	2	1.22
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	6	1.22
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	20	1.22
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	7	1.22
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	7	1.22
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	7	1.22
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	9	1.22
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	9	1.22
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	9	1.22
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	16	1.22
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	16	1.22
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	16	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	20	1.22
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	6	1.22
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	8	1.22
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	10	1.22
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	19	1.22
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	3	1.22
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	20	1.22
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	20	1.22
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	20	1.22
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	20	1.22
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	12	1.22
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	1	1.22
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	2	1.22
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	4	1.22
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	5	1.22
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	6	1.22
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	10	1.22
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	12	1.22
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	14	1.22
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	15	1.22
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	16	1.22
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	1	1.22
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	3	1.22
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	12	1.22
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	1	1.22
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	1	1.22
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	1	1.22
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	6	1.22
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	6	1.22
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	6	1.22
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	6	1.21
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	6	1.21
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	6	1.21
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	20	1.21
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	11	1.21
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	3	1.21
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	3	1.21
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	3	1.21
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	5	1.21
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	5	1.21
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	5	1.21
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	7	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	7	1.21
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	7	1.21
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	16	1.21
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	16	1.21
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	16	1.21
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	19	1.21
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	19	1.21
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	19	1.21
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	3	1.21
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	2	1.21
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	1	1.21
(4,876)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	14	1.21
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	19	1.21
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	5	1.21
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	16	1.21
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	16	1.21
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	16	1.21
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	19	1.21
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	19	1.21
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	19	1.21
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	20	1.21
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	20	1.21
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	20	1.21
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	3	1.21
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	3	1.21
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	4	1.21
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	4	1.21
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	6	1.21
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	6	1.21
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	8	1.21
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	8	1.21
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	14	1.21
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	14	1.21
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	4	1.21
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	4	1.21
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	5	1.21
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	16	1.21
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	16	1.21
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	16	1.21
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	17	1.21
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	17	1.21
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	17	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD21	19	1.21
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD22	19	1.21
(2,3136)	1:116:A:LEU:HB2	1:116:A:LEU:HD23	19	1.21
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	3	1.21
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	8	1.21
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	9	1.21
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	12	1.21
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	14	1.21
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	16	1.21
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	18	1.21
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	14	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	1	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	2	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	3	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	4	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	5	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	6	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	7	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	8	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	9	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	10	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	11	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	12	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	13	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	14	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	15	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	16	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	17	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	18	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	19	1.21
(2,3107)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	20	1.21
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	13	1.21
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	20	1.21
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	8	1.21
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	8	1.21
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	8	1.21
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	18	1.21
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	18	1.21
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	18	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	1	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	2	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	3	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	4	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	5	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	6	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	7	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	8	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	9	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	10	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	11	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	12	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	13	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	14	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	15	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	16	1.21
(2,3094)	1:53:A:ASP:HB3	1:53:A:ASP:HA	19	1.21
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	3	1.21
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	11	1.21
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	3	1.21
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	6	1.21
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	15	1.21
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	7	1.21
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	7	1.21
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	7	1.21
(2,3036)	1:134:A:ILE:HG12	1:134:A:ILE:HB	12	1.21
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	1	1.21
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	2	1.21
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	6	1.21
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	7	1.21
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	8	1.21
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	13	1.21
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	15	1.21
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	11	1.21
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB1	12	1.21
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB2	12	1.21
(2,2974)	1:137:A:ALA:H	1:137:A:ALA:HB3	12	1.21
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	2	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	1	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	1	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	1	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	3	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	3	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	3	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	4	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	4	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	4	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	5	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	5	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	5	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	7	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	7	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	7	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	9	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	9	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	9	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	10	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	10	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	10	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	12	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	12	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	12	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	15	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	15	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	15	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	16	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	16	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	16	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB1	18	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB2	18	1.21
(2,2911)	1:20:A:ALA:HA	1:20:A:ALA:HB3	18	1.21
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	6	1.21
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	6	1.21
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	6	1.21
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	16	1.21
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	16	1.21
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	16	1.21
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	20	1.21
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	20	1.21
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	20	1.21
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	4	1.21
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	5	1.21
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	7	1.21
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	12	1.21
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	1	1.21
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	7	1.21
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	18	1.21
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	3	1.21
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	3	1.21
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	3	1.21
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	3	1.21
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	3	1.21
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	3	1.21
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	3	1.21
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	3	1.21
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	3	1.21
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	5	1.21
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	5	1.21
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	5	1.21
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	5	1.21
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	5	1.21
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	5	1.21
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	5	1.21
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	5	1.21
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	5	1.21
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	14	1.21
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	14	1.21
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	14	1.21
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	14	1.21
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	14	1.21
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	14	1.21
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	14	1.21
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	14	1.21
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	14	1.21
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	15	1.21
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	15	1.21
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	15	1.21
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	15	1.21
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	15	1.21
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	15	1.21
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	15	1.21
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	15	1.21
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	15	1.21
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	9	1.21
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	9	1.21
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	9	1.21
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	10	1.21
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	10	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	10	1.21
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	13	1.21
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	13	1.21
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	13	1.21
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	15	1.21
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	15	1.21
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	15	1.21
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	16	1.21
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	16	1.21
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	16	1.21
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	5	1.21
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	5	1.21
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	5	1.21
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	17	1.21
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	17	1.21
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	17	1.21
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	15	1.21
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	1	1.21
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	11	1.21
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	14	1.21
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	1	1.21
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	6	1.21
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	8	1.21
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	2	1.21
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	3	1.21
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	4	1.21
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	5	1.21
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	9	1.21
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	12	1.21
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	14	1.21
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	15	1.21
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	16	1.21
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	18	1.21
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	1	1.21
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	2	1.21
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	7	1.21
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	11	1.21
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	11	1.21
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	11	1.21
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	14	1.21
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	14	1.21
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	14	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	7	1.21
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	8	1.21
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	3	1.21
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	3	1.21
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	3	1.21
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	4	1.21
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	4	1.21
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	4	1.21
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	5	1.21
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	5	1.21
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	5	1.21
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	7	1.21
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	7	1.21
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	7	1.21
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	9	1.21
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	9	1.21
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	9	1.21
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	11	1.21
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	11	1.21
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	11	1.21
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	12	1.21
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	12	1.21
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	12	1.21
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	15	1.21
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	15	1.21
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	15	1.21
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	17	1.21
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	17	1.21
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	17	1.21
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	19	1.21
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	19	1.21
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	19	1.21
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	6	1.21
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	6	1.21
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	10	1.21
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	10	1.21
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	13	1.21
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	13	1.21
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	7	1.21
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	12	1.21
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	16	1.21
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	17	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	18	1.21
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	11	1.21
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	11	1.21
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	11	1.21
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	7	1.21
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	10	1.21
(2,2357)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	14	1.21
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	1	1.21
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	1	1.21
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	1	1.21
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	10	1.21
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	1	1.21
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	1	1.21
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	1	1.21
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	6	1.21
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	6	1.21
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	6	1.21
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	7	1.21
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	7	1.21
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	7	1.21
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	8	1.21
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	8	1.21
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	8	1.21
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	12	1.21
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	12	1.21
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	12	1.21
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	13	1.21
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	13	1.21
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	13	1.21
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	15	1.21
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	15	1.21
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	15	1.21
(2,2295)	1:19:A:ALA:HB1	1:19:A:ALA:H	18	1.21
(2,2295)	1:19:A:ALA:HB2	1:19:A:ALA:H	18	1.21
(2,2295)	1:19:A:ALA:HB3	1:19:A:ALA:H	18	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	1	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	2	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	3	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	4	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	5	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	6	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	7	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	8	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	9	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	10	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	11	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	12	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	13	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	14	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	15	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	16	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	17	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	18	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	19	1.21
(2,2289)	1:90:A:LEU:HB2	1:90:A:LEU:HB3	20	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	1	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	2	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	3	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	4	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	5	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	6	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	7	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	8	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	9	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	11	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	12	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	13	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	14	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	15	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	16	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	17	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	19	1.21
(2,2281)	1:24:A:ILE:HB	1:24:A:ILE:HG12	20	1.21
(2,2205)	1:5:A:LEU:HD11	1:5:A:LEU:HA	8	1.21
(2,2205)	1:5:A:LEU:HD12	1:5:A:LEU:HA	8	1.21
(2,2205)	1:5:A:LEU:HD13	1:5:A:LEU:HA	8	1.21
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	2	1.21
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	11	1.21
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	14	1.21
(2,2197)	1:5:A:LEU:HB2	1:5:A:LEU:HA	20	1.21
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	17	1.21
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	2	1.21
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	1	1.21
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	18	1.21
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	9	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	1	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	2	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	3	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	4	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	5	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	6	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	7	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	8	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	9	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	10	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	12	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	13	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	15	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	16	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	17	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	18	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	19	1.21
(2,2096)	1:23:A:ARG:HB2	1:23:A:ARG:HG3	20	1.21
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	6	1.21
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	12	1.21
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	16	1.21
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	19	1.21
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	7	1.21
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	10	1.21
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	10	1.21
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	10	1.21
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	16	1.21
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	7	1.21
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	15	1.21
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	15	1.21
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	15	1.21
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	17	1.21
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	11	1.21
(2,1780)	1:4:A:LEU:HB3	1:4:A:LEU:HA	20	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	2	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	2	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	2	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	3	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	3	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	3	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	8	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	8	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	8	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	10	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	10	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	10	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	16	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	16	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	16	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	18	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	18	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	18	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	19	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	19	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	19	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	20	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	20	1.21
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	20	1.21
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	4	1.21
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	15	1.21
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	19	1.21
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	7	1.21
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	9	1.21
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	11	1.21
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	13	1.21
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	15	1.21
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	16	1.21
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	17	1.21
(2,1737)	1:22:A:PHE:HA	1:22:A:PHE:H	19	1.21
(2,1715)	1:118:A:LEU:HB2	1:119:A:SER:H	11	1.21
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	3	1.21
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	5	1.21
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	6	1.21
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	11	1.21
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	16	1.21
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	18	1.21
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	19	1.21
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	20	1.21
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	4	1.21
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	12	1.21
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	15	1.21
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	3	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	11	1.21
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	19	1.21
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	20	1.21
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	9	1.21
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	17	1.21
(2,1532)	1:4:A:LEU:HD21	1:4:A:LEU:HG	7	1.21
(2,1532)	1:4:A:LEU:HD22	1:4:A:LEU:HG	7	1.21
(2,1532)	1:4:A:LEU:HD23	1:4:A:LEU:HG	7	1.21
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	6	1.21
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	18	1.21
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	15	1.21
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	19	1.21
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	4	1.21
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	4	1.21
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	4	1.21
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	6	1.21
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	6	1.21
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	6	1.21
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	10	1.21
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	10	1.21
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	10	1.21
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	12	1.21
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	12	1.21
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	12	1.21
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	13	1.21
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	13	1.21
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	13	1.21
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	14	1.21
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	14	1.21
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	14	1.21
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	15	1.21
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	15	1.21
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	15	1.21
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	17	1.21
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	17	1.21
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	17	1.21
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	18	1.21
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	18	1.21
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	18	1.21
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	19	1.21
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	19	1.21
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	19	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	1	1.21
(2,1485)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	12	1.21
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	2	1.21
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	2	1.21
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	2	1.21
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	3	1.21
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	3	1.21
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	3	1.21
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	7	1.21
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	7	1.21
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	7	1.21
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	8	1.21
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	8	1.21
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	8	1.21
(2,1458)	1:100:A:ILE:HD11	1:100:A:ILE:HA	16	1.21
(2,1458)	1:100:A:ILE:HD12	1:100:A:ILE:HA	16	1.21
(2,1458)	1:100:A:ILE:HD13	1:100:A:ILE:HA	16	1.21
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	5	1.21
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	4	1.21
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	6	1.21
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	2	1.21
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	5	1.21
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	7	1.21
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	8	1.21
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	9	1.21
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	11	1.21
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	12	1.21
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	13	1.21
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	16	1.21
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	6	1.21
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	3	1.21
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	3	1.21
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	3	1.21
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	3	1.21
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	4	1.21
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	4	1.21
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	4	1.21
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	5	1.21
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	5	1.21
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	5	1.21
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	10	1.21
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	10	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	10	1.21
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	11	1.21
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	11	1.21
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	11	1.21
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	13	1.21
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	13	1.21
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	13	1.21
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	16	1.21
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	16	1.21
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	16	1.21
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	17	1.21
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	17	1.21
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	17	1.21
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	2	1.21
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	3	1.21
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	5	1.21
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	12	1.21
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	16	1.21
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	19	1.21
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	20	1.21
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	3	1.21
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	4	1.21
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	12	1.21
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	4	1.21
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	17	1.21
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	19	1.21
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	10	1.21
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	3	1.21
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	4	1.21
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	7	1.21
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	1	1.21
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	3	1.21
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	7	1.21
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	17	1.21
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	18	1.21
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	3	1.21
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	7	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	1	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	1	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	4	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	4	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	6	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	6	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	8	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	8	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	11	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	11	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	13	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	13	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE1	15	1.21
(2,1075)	1:99:A:TYR:HB2	1:99:A:TYR:HE2	15	1.21
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	12	1.21
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	10	1.21
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	9	1.21
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	14	1.21
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	1	1.21
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	8	1.21
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	17	1.21
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	20	1.21
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	9	1.21
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	12	1.21
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	12	1.21
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	12	1.21
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	12	1.21
(2,883)	1:145:A:MET:HE1	1:145:A:MET:HB2	12	1.21
(2,883)	1:145:A:MET:HE2	1:145:A:MET:HB2	12	1.21
(2,883)	1:145:A:MET:HE3	1:145:A:MET:HB2	12	1.21
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	4	1.21
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	4	1.21
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	4	1.21
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	3	1.21
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	8	1.21
(2,833)	1:68:A:LYS:HA	1:68:A:LYS:HB3	19	1.21
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	9	1.21
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	20	1.21
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	20	1.21
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	15	1.21
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	14	1.21
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	5	1.21
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	5	1.21
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	5	1.21
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	15	1.21
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	15	1.21
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	18	1.21
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	18	1.21
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	18	1.21
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	3	1.21
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	7	1.21
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	9	1.21
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	14	1.21
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	18	1.21
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	20	1.21
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	4	1.21
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	7	1.21
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	11	1.21
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	13	1.21
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	14	1.21
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	16	1.21
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	17	1.21
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	18	1.21
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	19	1.21
(2,533)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	20	1.21
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	11	1.21
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	9	1.21
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	10	1.21
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	15	1.21
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	9	1.21
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	9	1.21
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	9	1.21
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	1	1.21
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	7	1.21
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	9	1.21
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	16	1.21
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	17	1.21
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	17	1.21
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	3	1.21
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	3	1.21
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	3	1.21
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	5	1.21
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	5	1.21
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	5	1.21
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	17	1.21
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	17	1.21
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	17	1.21
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	14	1.21
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	18	1.21
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	11	1.21
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	20	1.21
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	14	1.21
(2,312)	1:38:A:ALA:HB1	1:38:A:ALA:HA	2	1.21
(2,312)	1:38:A:ALA:HB2	1:38:A:ALA:HA	2	1.21
(2,312)	1:38:A:ALA:HB3	1:38:A:ALA:HA	2	1.21
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	4	1.21
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	17	1.21
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	4	1.21
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	4	1.21
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	4	1.21
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	10	1.21
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	10	1.21
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	10	1.21
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	19	1.21
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	19	1.21
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	19	1.21
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	2	1.21
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	6	1.21
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	7	1.21
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	14	1.21
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	16	1.21
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	2	1.21
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	17	1.21
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	18	1.21
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	4	1.21
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	4	1.21
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	4	1.21
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	7	1.21
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	7	1.21
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	7	1.21
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	9	1.21
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	9	1.21
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	9	1.21
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	10	1.21
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	10	1.21
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	10	1.21
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	18	1.21
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	18	1.21
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	18	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1505)	1:140:A:LYS:HG3	1:141:A:GLY:H	15	1.2
(4,1415)	1:3:A:LYS:HG3	1:3:A:LYS:H	18	1.2
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	16	1.2
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	16	1.2
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	16	1.2
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	9	1.2
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	9	1.2
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	9	1.2
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	2	1.2
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	8	1.2
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	18	1.2
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	2	1.2
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	6	1.2
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	9	1.2
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	12	1.2
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	1	1.2
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	1	1.2
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	1	1.2
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	9	1.2
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	9	1.2
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	9	1.2
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	10	1.2
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	10	1.2
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	10	1.2
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	9	1.2
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	9	1.2
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	9	1.2
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	3	1.2
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	10	1.2
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	15	1.2
(4,876)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	10	1.2
(4,876)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	18	1.2
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	16	1.2
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	20	1.2
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	2	1.2
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	5	1.2
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	13	1.2
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	6	1.2
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	6	1.2
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	6	1.2
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	2	1.2
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	2	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	5	1.2
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	6	1.2
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	7	1.2
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	10	1.2
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	11	1.2
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	15	1.2
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	17	1.2
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	20	1.2
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	3	1.2
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	6	1.2
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	13	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	1	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	2	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	4	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	5	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	6	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	7	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	9	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	10	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	11	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	14	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	15	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	16	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	17	1.2
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	19	1.2
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	1	1.2
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	1	1.2
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	1	1.2
(2,3100)	1:78:A:VAL:HG21	1:79:A:MET:H	15	1.2
(2,3100)	1:78:A:VAL:HG22	1:79:A:MET:H	15	1.2
(2,3100)	1:78:A:VAL:HG23	1:79:A:MET:H	15	1.2
(2,3092)	1:88:A:LYS:HG2	1:88:A:LYS:H	18	1.2
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	3	1.2
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	4	1.2
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	4	1.2
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	5	1.2
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	12	1.2
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	13	1.2
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	14	1.2
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	17	1.2
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	19	1.2
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	20	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	11	1.2
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	11	1.2
(2,3003)	1:83:A:PRO:HA	1:84:A:ILE:H	18	1.2
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	5	1.2
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	16	1.2
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	3	1.2
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	5	1.2
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	14	1.2
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	14	1.2
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	14	1.2
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	15	1.2
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	15	1.2
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	15	1.2
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	17	1.2
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	3	1.2
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	4	1.2
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	5	1.2
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	12	1.2
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	14	1.2
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	16	1.2
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	17	1.2
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	19	1.2
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	20	1.2
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	2	1.2
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	2	1.2
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	2	1.2
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	2	1.2
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	2	1.2
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	2	1.2
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	2	1.2
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	2	1.2
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	2	1.2
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	12	1.2
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	12	1.2
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	12	1.2
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	12	1.2
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	12	1.2
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	12	1.2
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	12	1.2
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	12	1.2
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	12	1.2
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	17	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	17	1.2
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	17	1.2
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	17	1.2
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	17	1.2
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	17	1.2
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	17	1.2
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	17	1.2
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	17	1.2
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	1	1.2
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	10	1.2
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	18	1.2
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	4	1.2
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	2	1.2
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	2	1.2
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	2	1.2
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	3	1.2
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	3	1.2
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	3	1.2
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	1	1.2
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	14	1.2
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	17	1.2
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	18	1.2
(2,2694)	1:66:A:GLY:HA2	1:66:A:GLY:H	9	1.2
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	6	1.2
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	10	1.2
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	17	1.2
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	4	1.2
(2,2665)	1:18:A:ILE:HG12	1:18:A:ILE:HA	5	1.2
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	6	1.2
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	6	1.2
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	6	1.2
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	1	1.2
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	1	1.2
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	1	1.2
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	13	1.2
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	13	1.2
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	13	1.2
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	16	1.2
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	16	1.2
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	16	1.2
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	16	1.2
(2,2613)	1:158:A:PRO:HA	1:159:A:ASN:H	16	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	13	1.2
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	13	1.2
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	13	1.2
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	14	1.2
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	14	1.2
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	14	1.2
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	3	1.2
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	16	1.2
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	20	1.2
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	2	1.2
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	9	1.2
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	1	1.2
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	1	1.2
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	1	1.2
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	2	1.2
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	2	1.2
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	2	1.2
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	7	1.2
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	7	1.2
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	7	1.2
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	8	1.2
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	8	1.2
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	8	1.2
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	10	1.2
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	10	1.2
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	10	1.2
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	15	1.2
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	15	1.2
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	15	1.2
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	20	1.2
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	20	1.2
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	20	1.2
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	15	1.2
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	3	1.2
(2,2224)	1:140:A:LYS:HG3	1:140:A:LYS:H	4	1.2
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	7	1.2
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	1	1.2
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	8	1.2
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	9	1.2
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	10	1.2
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	20	1.2
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	5	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	6	1.2
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	4	1.2
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	14	1.2
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	1	1.2
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	11	1.2
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	17	1.2
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	1	1.2
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	8	1.2
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	9	1.2
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	10	1.2
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	20	1.2
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	10	1.2
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	10	1.2
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	6	1.2
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	19	1.2
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	1	1.2
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	1	1.2
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	1	1.2
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	14	1.2
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	9	1.2
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	9	1.2
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	9	1.2
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	17	1.2
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	17	1.2
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	17	1.2
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	3	1.2
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	17	1.2
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	6	1.2
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	3	1.2
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	1	1.2
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	14	1.2
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	15	1.2
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	17	1.2
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	19	1.2
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	19	1.2
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	19	1.2
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	6	1.2
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	6	1.2
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	6	1.2
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	10	1.2
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	9	1.2
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	18	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	10	1.2
(2,1624)	1:122:A:HIS:HB3	1:122:A:HIS:H	8	1.2
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	2	1.2
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	8	1.2
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	16	1.2
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	19	1.2
(2,1563)	1:23:A:ARG:HD3	1:23:A:ARG:HG2	20	1.2
(2,1542)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	11	1.2
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	15	1.2
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	15	1.2
(2,1515)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	15	1.2
(2,1504)	1:36:A:LEU:HA	1:36:A:LEU:HB3	15	1.2
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	20	1.2
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	1	1.2
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	1	1.2
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	1	1.2
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	2	1.2
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	2	1.2
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	2	1.2
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	3	1.2
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	3	1.2
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	3	1.2
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	5	1.2
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	5	1.2
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	5	1.2
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	7	1.2
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	7	1.2
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	7	1.2
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	8	1.2
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	8	1.2
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	8	1.2
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	9	1.2
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	9	1.2
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	9	1.2
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	11	1.2
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	11	1.2
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	11	1.2
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	16	1.2
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	16	1.2
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	16	1.2
(2,1486)	1:132:A:ALA:HB1	1:132:A:ALA:HA	20	1.2
(2,1486)	1:132:A:ALA:HB2	1:132:A:ALA:HA	20	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1486)	1:132:A:ALA:HB3	1:132:A:ALA:HA	20	1.2
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	17	1.2
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	17	1.2
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	17	1.2
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	17	1.2
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	17	1.2
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	17	1.2
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	17	1.2
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	17	1.2
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	17	1.2
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	8	1.2
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	16	1.2
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	16	1.2
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	1	1.2
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	3	1.2
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	4	1.2
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	6	1.2
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	10	1.2
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	14	1.2
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	15	1.2
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	17	1.2
(2,1344)	1:23:A:ARG:HD3	1:23:A:ARG:HG3	18	1.2
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	16	1.2
(2,1330)	1:4:A:LEU:HD21	1:4:A:LEU:HG	7	1.2
(2,1330)	1:4:A:LEU:HD22	1:4:A:LEU:HG	7	1.2
(2,1330)	1:4:A:LEU:HD23	1:4:A:LEU:HG	7	1.2
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	6	1.2
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	8	1.2
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	11	1.2
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	14	1.2
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	17	1.2
(2,1293)	1:3:A:LYS:HG2	1:3:A:LYS:HA	16	1.2
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	2	1.2
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	9	1.2
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	10	1.2
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	8	1.2
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	17	1.2
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	4	1.2
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	5	1.2
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	6	1.2
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	8	1.2
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	10	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	13	1.2
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	16	1.2
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	9	1.2
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	10	1.2
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	17	1.2
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	5	1.2
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	8	1.2
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	12	1.2
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	2	1.2
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	13	1.2
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	4	1.2
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	6	1.2
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	7	1.2
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	12	1.2
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	18	1.2
(2,957)	1:47:A:VAL:HG11	1:47:A:VAL:HA	1	1.2
(2,957)	1:47:A:VAL:HG12	1:47:A:VAL:HA	1	1.2
(2,957)	1:47:A:VAL:HG13	1:47:A:VAL:HA	1	1.2
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	9	1.2
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	11	1.2
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	4	1.2
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	6	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	1	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	1	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	1	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	2	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	2	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	2	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	3	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	3	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	3	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	4	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	4	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	4	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	6	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	6	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	6	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	7	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	7	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	7	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	8	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	8	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	8	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	9	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	9	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	9	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	10	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	10	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	10	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	11	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	11	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	11	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	12	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	12	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	12	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	13	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	13	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	13	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	14	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	14	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	14	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	16	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	16	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	16	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	17	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	17	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	17	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	19	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	19	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	19	1.2
(2,740)	1:157:A:VAL:HG21	1:157:A:VAL:HA	20	1.2
(2,740)	1:157:A:VAL:HG22	1:157:A:VAL:HA	20	1.2
(2,740)	1:157:A:VAL:HG23	1:157:A:VAL:HA	20	1.2
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	16	1.2
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	20	1.2
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	19	1.2
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	19	1.2
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	19	1.2
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	19	1.2
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	19	1.2
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	19	1.2
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	19	1.2
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	19	1.2
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	9	1.2
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	15	1.2
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	2	1.2
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	4	1.2
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	5	1.2
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	7	1.2
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	13	1.2
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	14	1.2
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	16	1.2
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	17	1.2
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	19	1.2
(2,479)	1:120:A:LYS:HG2	1:120:A:LYS:HB3	20	1.2
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	4	1.2
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	4	1.2
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	4	1.2
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	1	1.2
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	15	1.2
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	19	1.2
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	10	1.2
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	13	1.2
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	2	1.2
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	2	1.2
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	2	1.2
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	4	1.2
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	4	1.2
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	4	1.2
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	10	1.2
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	10	1.2
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	10	1.2
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	11	1.2
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	11	1.2
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	11	1.2
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	19	1.2
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	19	1.2
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	19	1.2
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	1	1.2
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	3	1.2
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	5	1.2
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	10	1.2
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	11	1.2
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	17	1.2
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	20	1.2
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	18	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	1	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	2	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	3	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	4	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	5	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	12	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	14	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	15	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	16	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	17	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	18	1.2
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	19	1.2
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	2	1.2
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	4	1.2
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	11	1.2
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	13	1.2
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	16	1.2
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	17	1.2
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	19	1.2
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	20	1.2
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	20	1.2
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	18	1.2
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	19	1.2
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	13	1.2
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	3	1.2
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	8	1.2
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	9	1.2
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	15	1.2
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	18	1.2
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	2	1.2
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	9	1.2
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	13	1.2
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	17	1.2
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	18	1.2
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	17	1.2
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	2	1.2
(2,95)	1:7:A:TYR:HB2	1:7:A:TYR:H	16	1.2
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	17	1.2
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	13	1.2
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	13	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	13	1.2
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	15	1.2
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	15	1.2
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	15	1.2
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	19	1.2
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	19	1.2
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	19	1.2
(1,7)	1:123:A:TYR:HE1	1:122:A:HIS:HB2	4	1.2
(1,7)	1:123:A:TYR:HE2	1:122:A:HIS:HB2	4	1.2
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	4	1.19
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	4	1.19
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	4	1.19
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	14	1.19
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	13	1.19
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	13	1.19
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	13	1.19
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	1	1.19
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	3	1.19
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	10	1.19
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	13	1.19
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	2	1.19
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	2	1.19
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	2	1.19
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	6	1.19
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	6	1.19
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	6	1.19
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	12	1.19
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	12	1.19
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	12	1.19
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	15	1.19
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	15	1.19
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	15	1.19
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	8	1.19
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	1	1.19
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	7	1.19
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	20	1.19
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	8	1.19
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	8	1.19
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	8	1.19
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	16	1.19
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	16	1.19
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	16	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	14	1.19
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	17	1.19
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	17	1.19
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	17	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	5	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	5	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	7	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	7	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	9	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	9	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	11	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	11	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	13	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	13	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	19	1.19
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	19	1.19
(2,3139)	1:54:A:PRO:HD3	1:54:A:PRO:HB3	9	1.19
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	1	1.19
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	2	1.19
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	4	1.19
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	13	1.19
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	1	1.19
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	2	1.19
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	4	1.19
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	5	1.19
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	8	1.19
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	9	1.19
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	10	1.19
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	11	1.19
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	17	1.19
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	3	1.19
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	8	1.19
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	12	1.19
(2,3103)	1:136:A:LYS:H	1:136:A:LYS:HA	18	1.19
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	11	1.19
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	9	1.19
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	16	1.19
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	8	1.19
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	8	1.19
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	8	1.19
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	10	1.19
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	10	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	10	1.19
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	1	1.19
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	3	1.19
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	5	1.19
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	8	1.19
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	9	1.19
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	10	1.19
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	12	1.19
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	13	1.19
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	15	1.19
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	19	1.19
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	18	1.19
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	7	1.19
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	19	1.19
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	6	1.19
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	9	1.19
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	10	1.19
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	12	1.19
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	14	1.19
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	19	1.19
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	19	1.19
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	19	1.19
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	17	1.19
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	2	1.19
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	6	1.19
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	8	1.19
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	9	1.19
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	10	1.19
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	11	1.19
(2,2842)	1:152:A:GLU:H	1:152:A:GLU:HA	13	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	1	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	1	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	1	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	1	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	1	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	1	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	1	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	1	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	1	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	4	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	4	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	4	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	4	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	4	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	4	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	4	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	4	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	4	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	7	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	7	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	7	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	7	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	7	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	7	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	7	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	7	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	7	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	8	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	8	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	8	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	8	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	8	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	8	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	8	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	8	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	8	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	13	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	13	1.19
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	13	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	13	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	13	1.19
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	13	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	13	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	13	1.19
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	13	1.19
(2,2829)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	5	1.19
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	5	1.19
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	9	1.19
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	12	1.19
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	14	1.19
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	11	1.19
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	13	1.19
(2,2746)	1:152:A:GLU:HG2	1:152:A:GLU:HA	18	1.19
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	6	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	17	1.19
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	17	1.19
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	17	1.19
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	3	1.19
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	2	1.19
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	2	1.19
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	2	1.19
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	4	1.19
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	4	1.19
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	4	1.19
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	5	1.19
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	5	1.19
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	5	1.19
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	10	1.19
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	10	1.19
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	10	1.19
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	15	1.19
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	15	1.19
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	15	1.19
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	17	1.19
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	17	1.19
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	17	1.19
(2,2594)	1:24:A:ILE:HD11	1:24:A:ILE:H	1	1.19
(2,2594)	1:24:A:ILE:HD12	1:24:A:ILE:H	1	1.19
(2,2594)	1:24:A:ILE:HD13	1:24:A:ILE:H	1	1.19
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	2	1.19
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	5	1.19
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	7	1.19
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	9	1.19
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	11	1.19
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	12	1.19
(2,2551)	1:94:A:PRO:HA	1:94:A:PRO:HB3	19	1.19
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	2	1.19
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	5	1.19
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	6	1.19
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	8	1.19
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	9	1.19
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	10	1.19
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	12	1.19
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	14	1.19
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	16	1.19
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	18	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	7	1.19
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	13	1.19
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	13	1.19
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	8	1.19
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	8	1.19
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	14	1.19
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	14	1.19
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	18	1.19
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	18	1.19
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	4	1.19
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	20	1.19
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	3	1.19
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	3	1.19
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	3	1.19
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	4	1.19
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	4	1.19
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	4	1.19
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	5	1.19
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	5	1.19
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	5	1.19
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	6	1.19
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	6	1.19
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	6	1.19
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	12	1.19
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	12	1.19
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	12	1.19
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	13	1.19
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	13	1.19
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	13	1.19
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	14	1.19
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	14	1.19
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	14	1.19
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	16	1.19
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	16	1.19
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	16	1.19
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	17	1.19
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	17	1.19
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	17	1.19
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	19	1.19
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	19	1.19
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	19	1.19
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	1	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	9	1.19
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	10	1.19
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	12	1.19
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	13	1.19
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	17	1.19
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	18	1.19
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	19	1.19
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	20	1.19
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	19	1.19
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	11	1.19
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	9	1.19
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	10	1.19
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	14	1.19
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	4	1.19
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	8	1.19
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	2	1.19
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	18	1.19
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	2	1.19
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	5	1.19
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	19	1.19
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	20	1.19
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	17	1.19
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	4	1.19
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	11	1.19
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	19	1.19
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	19	1.19
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	6	1.19
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	8	1.19
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	5	1.19
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	1	1.19
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	8	1.19
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	15	1.19
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	6	1.19
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	17	1.19
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	16	1.19
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	5	1.19
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	5	1.19
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	5	1.19
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	7	1.19
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	10	1.19
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	10	1.19
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	4	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	9	1.19
(2,1712)	1:6:A:THR:HA	1:7:A:TYR:H	12	1.19
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	16	1.19
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	16	1.19
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	16	1.19
(2,1682)	1:45:A:SER:H	1:45:A:SER:HA	3	1.19
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	8	1.19
(2,1679)	1:106:A:ASN:HB3	1:106:A:ASN:HA	19	1.19
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	5	1.19
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	14	1.19
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	4	1.19
(2,1583)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	20	1.19
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	17	1.19
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	6	1.19
(2,1493)	1:15:A:LEU:H	1:14:A:THR:HA	13	1.19
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	2	1.19
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	9	1.19
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	13	1.19
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	18	1.19
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	19	1.19
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	1	1.19
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	7	1.19
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	13	1.19
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	15	1.19
(2,1317)	1:56:A:THR:H	1:56:A:THR:HA	18	1.19
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	12	1.19
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	2	1.19
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	6	1.19
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	9	1.19
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	12	1.19
(2,1238)	1:74:A:LEU:HB3	1:74:A:LEU:HG	19	1.19
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	19	1.19
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	3	1.19
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	8	1.19
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	8	1.19
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	8	1.19
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	16	1.19
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	16	1.19
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	16	1.19
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	5	1.19
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	6	1.19
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	15	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	19	1.19
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	5	1.19
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	5	1.19
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	5	1.19
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	12	1.19
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	12	1.19
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	12	1.19
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	15	1.19
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	15	1.19
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	15	1.19
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	17	1.19
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	17	1.19
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	17	1.19
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	5	1.19
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	9	1.19
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	13	1.19
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	19	1.19
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	7	1.19
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	12	1.19
(2,1012)	1:110:A:PRO:HD2	1:111:A:PHE:H	9	1.19
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	1	1.19
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	6	1.19
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	14	1.19
(2,906)	1:4:A:LEU:HD11	1:5:A:LEU:H	7	1.19
(2,906)	1:4:A:LEU:HD12	1:5:A:LEU:H	7	1.19
(2,906)	1:4:A:LEU:HD13	1:5:A:LEU:H	7	1.19
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	16	1.19
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	19	1.19
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	14	1.19
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	13	1.19
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	4	1.19
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	18	1.19
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	1	1.19
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	10	1.19
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	14	1.19
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	3	1.19
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	12	1.19
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	1	1.19
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	4	1.19
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	6	1.19
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	8	1.19
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	10	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	13	1.19
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	14	1.19
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	15	1.19
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	17	1.19
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	18	1.19
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	20	1.19
(2,471)	1:133:A:SER:HA	1:134:A:ILE:H	18	1.19
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	1	1.19
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	1	1.19
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	1	1.19
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	5	1.19
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	5	1.19
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	5	1.19
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	16	1.19
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	16	1.19
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	16	1.19
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	2	1.19
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	7	1.19
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	8	1.19
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	10	1.19
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	20	1.19
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	5	1.19
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	1	1.19
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	1	1.19
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	1	1.19
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	6	1.19
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	6	1.19
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	6	1.19
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	7	1.19
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	7	1.19
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	7	1.19
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	13	1.19
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	13	1.19
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	13	1.19
(2,349)	1:17:A:SER:HA	1:17:A:SER:H	16	1.19
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	6	1.19
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	7	1.19
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	8	1.19
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	9	1.19
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	10	1.19
(2,338)	1:117:A:SER:HA	1:117:A:SER:H	13	1.19
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	1	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	3	1.19
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	5	1.19
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	6	1.19
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	7	1.19
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	8	1.19
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	9	1.19
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	10	1.19
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	12	1.19
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	14	1.19
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	15	1.19
(2,321)	1:151:A:ILE:HA	1:151:A:ILE:H	18	1.19
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	12	1.19
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	8	1.19
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	2	1.19
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	4	1.19
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	6	1.19
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	6	1.19
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	6	1.19
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	2	1.19
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	2	1.19
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	2	1.19
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	1	1.19
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	10	1.19
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	1	1.19
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	3	1.19
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	5	1.19
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	7	1.19
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	12	1.19
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	10	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	2	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	2	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	2	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	3	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	3	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	3	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	4	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	4	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	4	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	5	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	5	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	5	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	6	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	6	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	6	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	7	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	7	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	7	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	8	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	8	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	8	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	11	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	11	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	11	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	12	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	12	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	12	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	14	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	14	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	14	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	15	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	15	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	15	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	16	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	16	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	16	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	18	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	18	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	18	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	20	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	20	1.19
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	20	1.19
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	17	1.19
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	8	1.19
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	8	1.19
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	8	1.19
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	16	1.19
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	16	1.19
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	16	1.19
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	20	1.19
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	20	1.19
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	20	1.19
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	16	1.18
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	10	1.18
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	10	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	10	1.18
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	6	1.18
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	6	1.18
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	6	1.18
(4,1322)	1:166:A:ASN:H	1:166:A:ASN:HD21	13	1.18
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	1	1.18
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	17	1.18
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	20	1.18
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	5	1.18
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	5	1.18
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	5	1.18
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	11	1.18
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	11	1.18
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	11	1.18
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	17	1.18
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	17	1.18
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	17	1.18
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	3	1.18
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	6	1.18
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	7	1.18
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	18	1.18
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	13	1.18
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	13	1.18
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	13	1.18
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	18	1.18
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	18	1.18
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	18	1.18
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	20	1.18
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	20	1.18
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	20	1.18
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	2	1.18
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	13	1.18
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	18	1.18
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	3	1.18
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	17	1.18
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	8	1.18
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	17	1.18
(4,648)	1:111:A:PHE:HB2	1:112:A:GLY:H	17	1.18
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	1	1.18
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	15	1.18
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	17	1.18
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	17	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	20	1.18
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	20	1.18
(4,64)	1:146:A:HIS:H	1:145:A:MET:HB3	17	1.18
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	9	1.18
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	9	1.18
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	9	1.18
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	12	1.18
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	12	1.18
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	12	1.18
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	12	1.18
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	12	1.18
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	16	1.18
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	16	1.18
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	17	1.18
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	17	1.18
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	20	1.18
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	20	1.18
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	6	1.18
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	6	1.18
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	14	1.18
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	14	1.18
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	18	1.18
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	18	1.18
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	14	1.18
(2,3128)	1:12:A:GLY:HA3	1:13:A:ASP:H	19	1.18
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	7	1.18
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	12	1.18
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	15	1.18
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	18	1.18
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	19	1.18
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	20	1.18
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	8	1.18
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	10	1.18
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	18	1.18
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	6	1.18
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	14	1.18
(2,3064)	1:89:A:ILE:HB	1:89:A:ILE:HA	18	1.18
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	2	1.18
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	6	1.18
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	16	1.18
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	17	1.18
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	20	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	13	1.18
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	7	1.18
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	7	1.18
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	7	1.18
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	1	1.18
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	2	1.18
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	4	1.18
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	7	1.18
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	18	1.18
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	2	1.18
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	14	1.18
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	18	1.18
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	16	1.18
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	16	1.18
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	16	1.18
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	16	1.18
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	16	1.18
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	16	1.18
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	16	1.18
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	16	1.18
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	16	1.18
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	19	1.18
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	19	1.18
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	19	1.18
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	19	1.18
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	19	1.18
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	19	1.18
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	19	1.18
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	19	1.18
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	19	1.18
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	6	1.18
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	8	1.18
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	19	1.18
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	19	1.18
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	19	1.18
(2,2760)	1:54:A:PRO:HD2	1:5:A:LEU:HG	19	1.18
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	17	1.18
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	3	1.18
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	3	1.18
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	3	1.18
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	3	1.18
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	19	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	8	1.18
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	12	1.18
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	18	1.18
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	6	1.18
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	6	1.18
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	6	1.18
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	8	1.18
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	8	1.18
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	8	1.18
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	1	1.18
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	13	1.18
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	6	1.18
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	3	1.18
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	3	1.18
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	3	1.18
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	1	1.18
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	3	1.18
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	4	1.18
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	7	1.18
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	11	1.18
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	13	1.18
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	15	1.18
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	17	1.18
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	19	1.18
(2,2517)	1:7:A:TYR:HB3	1:7:A:TYR:HA	20	1.18
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	10	1.18
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	4	1.18
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	10	1.18
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	20	1.18
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	2	1.18
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	2	1.18
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	5	1.18
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	5	1.18
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	16	1.18
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	16	1.18
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	9	1.18
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	9	1.18
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	9	1.18
(2,2432)	1:89:A:ILE:HG21	1:89:A:ILE:HA	18	1.18
(2,2432)	1:89:A:ILE:HG22	1:89:A:ILE:HA	18	1.18
(2,2432)	1:89:A:ILE:HG23	1:89:A:ILE:HA	18	1.18
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	8	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	17	1.18
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG21	11	1.18
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG22	11	1.18
(2,2344)	1:56:A:THR:HA	1:56:A:THR:HG23	11	1.18
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	2	1.18
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	4	1.18
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	7	1.18
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	8	1.18
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	14	1.18
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	16	1.18
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	17	1.18
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	18	1.18
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	19	1.18
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	20	1.18
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	3	1.18
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	7	1.18
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	13	1.18
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	4	1.18
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	11	1.18
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	12	1.18
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	16	1.18
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	19	1.18
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	3	1.18
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	4	1.18
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	6	1.18
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	8	1.18
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	9	1.18
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	12	1.18
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	13	1.18
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	15	1.18
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	16	1.18
(2,1995)	1:68:A:LYS:HG3	1:68:A:LYS:HB3	18	1.18
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	5	1.18
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	2	1.18
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	3	1.18
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	5	1.18
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	9	1.18
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	13	1.18
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	14	1.18
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	16	1.18
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	19	1.18
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	16	1.18
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	7	1.18
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	19	1.18
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	4	1.18
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	12	1.18
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	13	1.18
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	10	1.18
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	15	1.18
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	15	1.18
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	15	1.18
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	1	1.18
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	8	1.18
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	3	1.18
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	9	1.18
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	4	1.18
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	11	1.18
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	15	1.18
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	18	1.18
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	12	1.18
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	1	1.18
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	9	1.18
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	15	1.18
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	14	1.18
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	11	1.18
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	17	1.18
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	14	1.18
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	14	1.18
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	14	1.18
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	6	1.18
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	8	1.18
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	12	1.18
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	14	1.18
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	14	1.18
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	14	1.18
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	14	1.18
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	14	1.18
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	14	1.18
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	14	1.18
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	14	1.18
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	14	1.18
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	15	1.18
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	19	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	3	1.18
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	3	1.18
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	3	1.18
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	12	1.18
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	12	1.18
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	12	1.18
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	17	1.18
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	15	1.18
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	19	1.18
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	7	1.18
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	8	1.18
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	9	1.18
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	15	1.18
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	20	1.18
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	20	1.18
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	20	1.18
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	11	1.18
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	19	1.18
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	19	1.18
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	19	1.18
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	3	1.18
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	4	1.18
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	14	1.18
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	17	1.18
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	2	1.18
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	7	1.18
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	18	1.18
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	5	1.18
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	2	1.18
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	19	1.18
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	19	1.18
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	19	1.18
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	10	1.18
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	10	1.18
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	10	1.18
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	12	1.18
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	12	1.18
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	12	1.18
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	1	1.18
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	7	1.18
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	9	1.18
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	2	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	5	1.18
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	10	1.18
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	17	1.18
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	4	1.18
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	5	1.18
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	7	1.18
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	15	1.18
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	15	1.18
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	15	1.18
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	15	1.18
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	15	1.18
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	15	1.18
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	15	1.18
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	15	1.18
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	15	1.18
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG21	20	1.18
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG22	20	1.18
(2,518)	1:47:A:VAL:HG21	1:6:A:THR:HG23	20	1.18
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG21	20	1.18
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG22	20	1.18
(2,518)	1:47:A:VAL:HG22	1:6:A:THR:HG23	20	1.18
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG21	20	1.18
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG22	20	1.18
(2,518)	1:47:A:VAL:HG23	1:6:A:THR:HG23	20	1.18
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	5	1.18
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	8	1.18
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	15	1.18
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	3	1.18
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	3	1.18
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	3	1.18
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	12	1.18
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	12	1.18
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	12	1.18
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	17	1.18
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	17	1.18
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	17	1.18
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	14	1.18
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	8	1.18
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	19	1.18
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	4	1.18
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	6	1.18
(2,416)	1:159:A:ASN:HB3	1:160:A:GLY:H	16	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	18	1.18
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	18	1.18
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	18	1.18
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	20	1.18
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	20	1.18
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	20	1.18
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	7	1.18
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	18	1.18
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	5	1.18
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	8	1.18
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	15	1.18
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	4	1.18
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	3	1.18
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	5	1.18
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	6	1.18
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	8	1.18
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	4	1.18
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	12	1.18
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	12	1.18
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	12	1.18
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	17	1.18
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	17	1.18
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	17	1.18
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	4	1.18
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	4	1.18
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	7	1.18
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	14	1.18
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	4	1.18
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	18	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	1	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	1	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	1	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	9	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	9	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	9	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	10	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	10	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	10	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	13	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	13	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	13	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	17	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	17	1.18
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	17	1.18
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	11	1.17
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	11	1.17
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	11	1.17
(4,1322)	1:166:A:ASN:H	1:166:A:ASN:HD21	3	1.17
(4,1197)	1:113:A:ALA:HB1	1:114:A:TYR:H	17	1.17
(4,1197)	1:113:A:ALA:HB2	1:114:A:TYR:H	17	1.17
(4,1197)	1:113:A:ALA:HB3	1:114:A:TYR:H	17	1.17
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	10	1.17
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	6	1.17
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	6	1.17
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	6	1.17
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	15	1.17
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	15	1.17
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	15	1.17
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	15	1.17
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	11	1.17
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	15	1.17
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	16	1.17
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	20	1.17
(4,1024)	1:118:A:LEU:HD21	1:118:A:LEU:H	11	1.17
(4,1024)	1:118:A:LEU:HD22	1:118:A:LEU:H	11	1.17
(4,1024)	1:118:A:LEU:HD23	1:118:A:LEU:H	11	1.17
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	12	1.17
(4,892)	1:129:A:ASN:H	1:130:A:ASN:H	18	1.17
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	8	1.17
(4,751)	1:36:A:LEU:HD21	1:36:A:LEU:H	15	1.17
(4,751)	1:36:A:LEU:HD22	1:36:A:LEU:H	15	1.17
(4,751)	1:36:A:LEU:HD23	1:36:A:LEU:H	15	1.17
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	6	1.17
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	4	1.17
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	8	1.17
(4,152)	1:57:A:ILE:HG12	1:57:A:ILE:H	9	1.17
(4,152)	1:57:A:ILE:HG12	1:57:A:ILE:H	19	1.17
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	2	1.17
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	2	1.17
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	2	1.17
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	5	1.17
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	5	1.17
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	5	1.17
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	11	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	1	1.17
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	1	1.17
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	8	1.17
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	8	1.17
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	9	1.17
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	9	1.17
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	11	1.17
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	11	1.17
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	12	1.17
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	12	1.17
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	1	1.17
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	1	1.17
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	10	1.17
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	10	1.17
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	15	1.17
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	15	1.17
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD1	18	1.17
(3,48)	1:98:A:PHE:HB3	1:98:A:PHE:HD2	18	1.17
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	5	1.17
(2,3122)	1:149:A:ASP:H	1:149:A:ASP:HA	16	1.17
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	1	1.17
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	4	1.17
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	5	1.17
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	6	1.17
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	7	1.17
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	12	1.17
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	16	1.17
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	19	1.17
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	15	1.17
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	12	1.17
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	9	1.17
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	9	1.17
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	9	1.17
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	4	1.17
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	7	1.17
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	18	1.17
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	5	1.17
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	7	1.17
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	15	1.17
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	19	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	1	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	1	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	1	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	3	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	3	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	3	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	8	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	8	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	8	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	10	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	10	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	10	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	17	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	17	1.17
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	17	1.17
(2,2977)	1:13:A:ASP:HB3	1:13:A:ASP:HA	11	1.17
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	8	1.17
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	11	1.17
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	13	1.17
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	15	1.17
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	19	1.17
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	20	1.17
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	5	1.17
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	5	1.17
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	5	1.17
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	3	1.17
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	3	1.17
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	3	1.17
(2,2884)	1:160:A:GLY:HA2	1:161:A:THR:H	11	1.17
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	13	1.17
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	17	1.17
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	20	1.17
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	20	1.17
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	20	1.17
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	20	1.17
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	20	1.17
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	20	1.17
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	20	1.17
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	20	1.17
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	20	1.17
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	1	1.17
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	3	1.17
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	7	1.17
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	9	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	17	1.17
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	19	1.17
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	18	1.17
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	15	1.17
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	15	1.17
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	15	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	1	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	3	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	4	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	5	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	6	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	7	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	8	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	12	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	14	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	15	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	16	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	18	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	19	1.17
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	20	1.17
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	2	1.17
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	11	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	1	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	2	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	3	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	4	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	5	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	6	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	9	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	11	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	13	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	15	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	16	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	17	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	19	1.17
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	20	1.17
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	8	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	2	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	3	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	5	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	6	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	7	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	8	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	9	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	11	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	12	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	14	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	15	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	16	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	17	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	18	1.17
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	19	1.17
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	20	1.17
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	20	1.17
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	6	1.17
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	16	1.17
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	12	1.17
(2,2402)	1:119:A:SER:HA	1:119:A:SER:HB3	11	1.17
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	9	1.17
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	13	1.17
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	14	1.17
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	9	1.17
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	1	1.17
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	5	1.17
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	9	1.17
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	10	1.17
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	11	1.17
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	12	1.17
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	15	1.17
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	4	1.17
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	5	1.17
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	12	1.17
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	15	1.17
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	16	1.17
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	17	1.17
(2,2199)	1:116:A:LEU:HB3	1:116:A:LEU:HG	19	1.17
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	4	1.17
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	7	1.17
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	8	1.17
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	13	1.17
(2,2139)	1:140:A:LYS:HA	1:140:A:LYS:HB3	18	1.17
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	8	1.17
(2,2104)	1:4:A:LEU:HB2	1:4:A:LEU:HA	7	1.17
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	18	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	20	1.17
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	4	1.17
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	19	1.17
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	6	1.17
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	7	1.17
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	8	1.17
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	10	1.17
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	12	1.17
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	15	1.17
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	17	1.17
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	18	1.17
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	20	1.17
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	8	1.17
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	3	1.17
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	5	1.17
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	5	1.17
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	5	1.17
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	11	1.17
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	11	1.17
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	11	1.17
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	16	1.17
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	16	1.17
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	16	1.17
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	20	1.17
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	20	1.17
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	20	1.17
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	3	1.17
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	13	1.17
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	12	1.17
(2,1821)	1:10:A:LYS:HG2	1:10:A:LYS:HA	16	1.17
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	2	1.17
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	3	1.17
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	5	1.17
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	7	1.17
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	9	1.17
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	14	1.17
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	17	1.17
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	18	1.17
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	2	1.17
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	14	1.17
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG21	11	1.17
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG22	11	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1795)	1:56:A:THR:HA	1:56:A:THR:HG23	11	1.17
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	20	1.17
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	6	1.17
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	6	1.17
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	6	1.17
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	13	1.17
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	13	1.17
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	13	1.17
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	1	1.17
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	14	1.17
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	7	1.17
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	12	1.17
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	12	1.17
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	12	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	1	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	2	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	3	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	4	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	5	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	6	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	7	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	8	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	9	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	10	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	11	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	13	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	14	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	15	1.17
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	19	1.17
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	6	1.17
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	18	1.17
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	10	1.17
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	2	1.17
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	2	1.17
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	2	1.17
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	2	1.17
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	2	1.17
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	2	1.17
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	2	1.17
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	2	1.17
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	2	1.17
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	1	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	1	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	1	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	1	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	4	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	4	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	4	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	5	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	5	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	5	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	6	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	6	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	6	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	8	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	8	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	8	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	13	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	13	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	13	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	16	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	16	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	16	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	17	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	17	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	17	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	19	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	19	1.17
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	19	1.17
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	4	1.17
(2,1385)	1:128:A:THR:H	1:127:A:GLY:HA2	20	1.17
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	12	1.17
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	16	1.17
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	13	1.17
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	15	1.17
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	3	1.17
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	6	1.17
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	16	1.17
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	11	1.17
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	11	1.17
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	11	1.17
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	13	1.17
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	13	1.17
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	13	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	14	1.17
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	4	1.17
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	4	1.17
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	4	1.17
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	13	1.17
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	13	1.17
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	13	1.17
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	7	1.17
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	12	1.17
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	14	1.17
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	18	1.17
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	19	1.17
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	20	1.17
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	15	1.17
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	19	1.17
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	13	1.17
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD11	5	1.17
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD12	5	1.17
(2,931)	1:103:A:ARG:HD3	1:116:A:LEU:HD13	5	1.17
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	8	1.17
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	16	1.17
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	5	1.17
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	5	1.17
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	5	1.17
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	17	1.17
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	17	1.17
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	17	1.17
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	18	1.17
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	18	1.17
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	18	1.17
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	19	1.17
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	19	1.17
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	19	1.17
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	1	1.17
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	5	1.17
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	9	1.17
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	12	1.17
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	17	1.17
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	18	1.17
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	19	1.17
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	19	1.17
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	9	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	9	1.17
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	9	1.17
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	13	1.17
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	13	1.17
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	13	1.17
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	17	1.17
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	17	1.17
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	17	1.17
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	19	1.17
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	19	1.17
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	19	1.17
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	4	1.17
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	3	1.17
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	6	1.17
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	11	1.17
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	16	1.17
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	20	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	1	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	2	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	3	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	4	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	5	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	6	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	7	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	8	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	9	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	10	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	11	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	12	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	13	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	14	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	15	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	16	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	17	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	18	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	19	1.17
(2,579)	1:49:A:PRO:HB2	1:49:A:PRO:HB3	20	1.17
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	14	1.17
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	17	1.17
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	6	1.17
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	19	1.17
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	1	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	2	1.17
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	3	1.17
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	5	1.17
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	7	1.17
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	9	1.17
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	11	1.17
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	12	1.17
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	16	1.17
(2,473)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	19	1.17
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	13	1.17
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	13	1.17
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	13	1.17
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	18	1.17
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	18	1.17
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	18	1.17
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	2	1.17
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	5	1.17
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	12	1.17
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	3	1.17
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	4	1.17
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	5	1.17
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	9	1.17
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	10	1.17
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	11	1.17
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	12	1.17
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	16	1.17
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	17	1.17
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	12	1.17
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	15	1.17
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	7	1.17
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	14	1.17
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	9	1.17
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	16	1.17
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	1	1.17
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	2	1.17
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	9	1.17
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	10	1.17
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	12	1.17
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	16	1.17
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	17	1.17
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	19	1.17
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,264)	1:36:A:LEU:HD21	1:36:A:LEU:H	10	1.17
(2,264)	1:36:A:LEU:HD22	1:36:A:LEU:H	10	1.17
(2,264)	1:36:A:LEU:HD23	1:36:A:LEU:H	10	1.17
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	12	1.17
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	7	1.17
(2,212)	1:49:A:PRO:HA	1:50:A:GLY:H	11	1.17
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	3	1.17
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	3	1.17
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	3	1.17
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	7	1.17
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	7	1.17
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	7	1.17
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	13	1.17
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	13	1.17
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	13	1.17
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	9	1.17
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	9	1.17
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	13	1.17
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	13	1.17
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD11	19	1.17
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD12	19	1.17
(2,107)	1:57:A:ILE:HG12	1:57:A:ILE:HD13	19	1.17
(1,7)	1:123:A:TYR:HE1	1:122:A:HIS:HB2	16	1.17
(1,7)	1:123:A:TYR:HE2	1:122:A:HIS:HB2	16	1.17
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	19	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	1	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	1	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	1	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	7	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	7	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	7	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	9	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	9	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	9	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	19	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	19	1.16
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	19	1.16
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	2	1.16
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	2	1.16
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	2	1.16
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	10	1.16
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	10	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	10	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	1	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	2	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	3	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	4	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	5	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	6	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	7	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	8	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	9	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	10	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	11	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	12	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	13	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	14	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	15	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	16	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	17	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	18	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	19	1.16
(4,1329)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	20	1.16
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	12	1.16
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	15	1.16
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	16	1.16
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	4	1.16
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	4	1.16
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	4	1.16
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	12	1.16
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	12	1.16
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	12	1.16
(4,1155)	1:83:A:PRO:HG2	1:84:A:ILE:H	13	1.16
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	18	1.16
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	8	1.16
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	19	1.16
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	1	1.16
(4,947)	1:40:A:LEU:HG	1:40:A:LEU:H	15	1.16
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	3	1.16
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	3	1.16
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	3	1.16
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	9	1.16
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	15	1.16
(4,648)	1:111:A:PHE:HB2	1:112:A:GLY:H	16	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,648)	1:111:A:PHE:HB2	1:112:A:GLY:H	20	1.16
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	10	1.16
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD1	16	1.16
(4,502)	1:111:A:PHE:H	1:111:A:PHE:HD2	16	1.16
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	17	1.16
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	17	1.16
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	17	1.16
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	4	1.16
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	17	1.16
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	3	1.16
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	3	1.16
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	3	1.16
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	20	1.16
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	3	1.16
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	3	1.16
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	3	1.16
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	13	1.16
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	14	1.16
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	14	1.16
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	14	1.16
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	18	1.16
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	18	1.16
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	18	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	2	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	2	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	3	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	3	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	5	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	5	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	10	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	10	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	15	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	15	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	19	1.16
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	19	1.16
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	7	1.16
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	7	1.16
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	6	1.16
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	2	1.16
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	13	1.16
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	15	1.16
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	17	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	1	1.16
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	2	1.16
(2,3051)	1:110:A:PRO:HG2	1:110:A:PRO:HB2	14	1.16
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	14	1.16
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	17	1.16
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	7	1.16
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	1	1.16
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	3	1.16
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	6	1.16
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	20	1.16
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	8	1.16
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	13	1.16
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	4	1.16
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	4	1.16
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	4	1.16
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	6	1.16
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	6	1.16
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	6	1.16
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	18	1.16
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	18	1.16
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	18	1.16
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	6	1.16
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	16	1.16
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	7	1.16
(2,2948)	1:11:A:GLN:HA	1:11:A:GLN:HG3	11	1.16
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	16	1.16
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	11	1.16
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	11	1.16
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	11	1.16
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	13	1.16
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	13	1.16
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	13	1.16
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	17	1.16
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	17	1.16
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	17	1.16
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	19	1.16
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	19	1.16
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	19	1.16
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	17	1.16
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	17	1.16
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	17	1.16
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	11	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	20	1.16
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	5	1.16
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	2	1.16
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	18	1.16
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	11	1.16
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	11	1.16
(2,2833)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	11	1.16
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	11	1.16
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	11	1.16
(2,2833)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	11	1.16
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	11	1.16
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	11	1.16
(2,2833)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	11	1.16
(2,2807)	1:147:A:ASN:HB2	1:147:A:ASN:H	3	1.16
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	16	1.16
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	4	1.16
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	4	1.16
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	4	1.16
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	20	1.16
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	20	1.16
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	20	1.16
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	20	1.16
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	2	1.16
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	6	1.16
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	10	1.16
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	14	1.16
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	15	1.16
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	19	1.16
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	2	1.16
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	2	1.16
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	2	1.16
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	2	1.16
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	9	1.16
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	10	1.16
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	11	1.16
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	13	1.16
(2,2696)	1:92:A:GLN:HB2	1:92:A:GLN:HB3	17	1.16
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	1	1.16
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	7	1.16
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	15	1.16
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	20	1.16
(2,2631)	1:156:A:ILE:HD11	1:157:A:VAL:H	3	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2631)	1:156:A:ILE:HD12	1:157:A:VAL:H	3	1.16
(2,2631)	1:156:A:ILE:HD13	1:157:A:VAL:H	3	1.16
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	6	1.16
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	6	1.16
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	6	1.16
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	4	1.16
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	4	1.16
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	4	1.16
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	17	1.16
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	17	1.16
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	17	1.16
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	18	1.16
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	11	1.16
(2,2492)	1:8:A:GLN:HA	1:9:A:VAL:H	1	1.16
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	11	1.16
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	11	1.16
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	2	1.16
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	11	1.16
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	2	1.16
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	11	1.16
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	4	1.16
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	3	1.16
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	6	1.16
(2,2237)	1:153:A:LEU:HA	1:154:A:ALA:H	13	1.16
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	4	1.16
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	19	1.16
(2,1964)	1:49:A:PRO:HA	1:49:A:PRO:HB3	1	1.16
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	1	1.16
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	3	1.16
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	6	1.16
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	8	1.16
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	15	1.16
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	18	1.16
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	20	1.16
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	4	1.16
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	5	1.16
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	14	1.16
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	14	1.16
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	18	1.16
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	4	1.16
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	7	1.16
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	1	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	10	1.16
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	1	1.16
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	9	1.16
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	1	1.16
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	9	1.16
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	9	1.16
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	9	1.16
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	9	1.16
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	10	1.16
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	10	1.16
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	10	1.16
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	14	1.16
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	14	1.16
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	14	1.16
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	15	1.16
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	15	1.16
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	15	1.16
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	8	1.16
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	15	1.16
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	16	1.16
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	20	1.16
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	16	1.16
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	17	1.16
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	18	1.16
(2,1608)	1:110:A:PRO:HB2	1:110:A:PRO:HB3	20	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	1	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	2	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	3	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	4	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	5	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	6	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	7	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	8	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	9	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	10	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	11	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	12	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	13	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	14	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	15	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	17	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	18	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	19	1.16
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	20	1.16
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	5	1.16
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	20	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	2	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	2	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	2	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	7	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	7	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	7	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	10	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	10	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	10	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	11	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	11	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	11	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	14	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	14	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	14	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	15	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	15	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	15	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	18	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	18	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	18	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	20	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	20	1.16
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	20	1.16
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	16	1.16
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	20	1.16
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	16	1.16
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	8	1.16
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	10	1.16
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	1	1.16
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	5	1.16
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	10	1.16
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	12	1.16
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	18	1.16
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	12	1.16
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	12	1.16
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	12	1.16
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	11	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	12	1.16
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	12	1.16
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	12	1.16
(2,1051)	1:36:A:LEU:HD11	1:36:A:LEU:H	15	1.16
(2,1051)	1:36:A:LEU:HD12	1:36:A:LEU:H	15	1.16
(2,1051)	1:36:A:LEU:HD13	1:36:A:LEU:H	15	1.16
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	2	1.16
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	10	1.16
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	11	1.16
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	17	1.16
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	11	1.16
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	14	1.16
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	17	1.16
(2,1033)	1:21:A:ASP:HA	1:21:A:ASP:HB3	19	1.16
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	5	1.16
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	1	1.16
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	11	1.16
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	14	1.16
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	18	1.16
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	20	1.16
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	6	1.16
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	20	1.16
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	13	1.16
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	5	1.16
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	6	1.16
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	7	1.16
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	14	1.16
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	15	1.16
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	18	1.16
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	20	1.16
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	3	1.16
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	3	1.16
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	3	1.16
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	11	1.16
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	11	1.16
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	11	1.16
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	2	1.16
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	3	1.16
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	4	1.16
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	6	1.16
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	7	1.16
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	8	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	10	1.16
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	11	1.16
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	13	1.16
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	14	1.16
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	15	1.16
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	16	1.16
(2,855)	1:98:A:PHE:H	1:98:A:PHE:HA	20	1.16
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	16	1.16
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	13	1.16
(2,705)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	10	1.16
(2,705)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	10	1.16
(2,705)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	10	1.16
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	1	1.16
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	4	1.16
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	12	1.16
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	14	1.16
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	15	1.16
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	1	1.16
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	3	1.16
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	7	1.16
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	14	1.16
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	18	1.16
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	19	1.16
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	2	1.16
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	3	1.16
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	11	1.16
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	12	1.16
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	17	1.16
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	6	1.16
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	16	1.16
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	2	1.16
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	6	1.16
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	15	1.16
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	15	1.16
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	15	1.16
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	13	1.16
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	17	1.16
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	1	1.16
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	7	1.16
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	13	1.16
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	15	1.16
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	18	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	20	1.16
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	8	1.16
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	15	1.16
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	20	1.16
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	12	1.16
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	12	1.16
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	12	1.16
(2,366)	1:30:A:LEU:HD11	1:30:A:LEU:HA	14	1.16
(2,366)	1:30:A:LEU:HD12	1:30:A:LEU:HA	14	1.16
(2,366)	1:30:A:LEU:HD13	1:30:A:LEU:HA	14	1.16
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	6	1.16
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	12	1.16
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	1	1.16
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	4	1.16
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	7	1.16
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	9	1.16
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	13	1.16
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	4	1.16
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	7	1.16
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	11	1.16
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	14	1.16
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	18	1.16
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	20	1.16
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	10	1.16
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	13	1.16
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	5	1.16
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	5	1.16
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	5	1.16
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	15	1.16
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	15	1.16
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	15	1.16
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	20	1.16
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	2	1.16
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	2	1.16
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	5	1.16
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	5	1.16
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	8	1.16
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	8	1.16
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	10	1.16
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	10	1.16
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	12	1.16
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	12	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	14	1.16
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	14	1.16
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	11	1.16
(2,91)	1:148:A:LYS:HG3	1:148:A:LYS:H	16	1.16
(2,80)	1:164:A:THR:HB	1:164:A:THR:H	5	1.16
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	4	1.15
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	12	1.15
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	5	1.15
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	8	1.15
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	8	1.15
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	8	1.15
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	1	1.15
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	1	1.15
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	1	1.15
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	7	1.15
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	7	1.15
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	7	1.15
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	11	1.15
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	7	1.15
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	8	1.15
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	1	1.15
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	1	1.15
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	1	1.15
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	8	1.15
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	8	1.15
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	8	1.15
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	18	1.15
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	18	1.15
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	18	1.15
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	14	1.15
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	4	1.15
(4,1084)	1:105:A:ARG:HG2	1:106:A:ASN:H	17	1.15
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	15	1.15
(4,966)	1:2:A:ARG:HG3	1:2:A:ARG:H	16	1.15
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	10	1.15
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	9	1.15
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	14	1.15
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	8	1.15
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	16	1.15
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	20	1.15
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	8	1.15
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	13	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	20	1.15
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	3	1.15
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	5	1.15
(4,386)	1:150:A:VAL:HG11	1:150:A:VAL:H	12	1.15
(4,386)	1:150:A:VAL:HG12	1:150:A:VAL:H	12	1.15
(4,386)	1:150:A:VAL:HG13	1:150:A:VAL:H	12	1.15
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	9	1.15
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	10	1.15
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	13	1.15
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	18	1.15
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	19	1.15
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	7	1.15
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	7	1.15
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	7	1.15
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	10	1.15
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	10	1.15
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	10	1.15
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	6	1.15
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	9	1.15
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	17	1.15
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	19	1.15
(4,152)	1:57:A:ILE:HG12	1:57:A:ILE:H	13	1.15
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	14	1.15
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	14	1.15
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	14	1.15
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	2	1.15
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	2	1.15
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	2	1.15
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	9	1.15
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	9	1.15
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	9	1.15
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	13	1.15
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	13	1.15
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	12	1.15
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	12	1.15
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	9	1.15
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	11	1.15
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	14	1.15
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	20	1.15
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	7	1.15
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	7	1.15
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	13	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	17	1.15
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	6	1.15
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	1	1.15
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	2	1.15
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	5	1.15
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	6	1.15
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	7	1.15
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	9	1.15
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	11	1.15
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	12	1.15
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	13	1.15
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	14	1.15
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	18	1.15
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	19	1.15
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	19	1.15
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	5	1.15
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	5	1.15
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	5	1.15
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	13	1.15
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	13	1.15
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	13	1.15
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	16	1.15
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	16	1.15
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	16	1.15
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	9	1.15
(2,2947)	1:147:A:ASN:HB2	1:147:A:ASN:HA	17	1.15
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	20	1.15
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	1	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	1	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	1	1.15
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	2	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	2	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	2	1.15
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	3	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	3	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	3	1.15
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	4	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	4	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	4	1.15
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	6	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	6	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	6	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	7	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	7	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	7	1.15
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	9	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	9	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	9	1.15
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	12	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	12	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	12	1.15
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	14	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	14	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	14	1.15
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	15	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	15	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	15	1.15
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	16	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	16	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	16	1.15
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	18	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	18	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	18	1.15
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	20	1.15
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	20	1.15
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	20	1.15
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	1	1.15
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	1	1.15
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	1	1.15
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	12	1.15
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	13	1.15
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	18	1.15
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	2	1.15
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	17	1.15
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	4	1.15
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	16	1.15
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	1	1.15
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	1	1.15
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	1	1.15
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	4	1.15
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	4	1.15
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	4	1.15
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	19	1.15
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	7	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	10	1.15
(2,2646)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	14	1.15
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	13	1.15
(2,2619)	1:143:A:ILE:HD11	1:143:A:ILE:HB	20	1.15
(2,2619)	1:143:A:ILE:HD12	1:143:A:ILE:HB	20	1.15
(2,2619)	1:143:A:ILE:HD13	1:143:A:ILE:HB	20	1.15
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	7	1.15
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	17	1.15
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	17	1.15
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	20	1.15
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	9	1.15
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	17	1.15
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	19	1.15
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	1	1.15
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	5	1.15
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	15	1.15
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	20	1.15
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	16	1.15
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	17	1.15
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	14	1.15
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	15	1.15
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	20	1.15
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	4	1.15
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	4	1.15
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	4	1.15
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	14	1.15
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	15	1.15
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	20	1.15
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	3	1.15
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	19	1.15
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	5	1.15
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	13	1.15
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	4	1.15
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	18	1.15
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	11	1.15
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	4	1.15
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	2	1.15
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	4	1.15
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	5	1.15
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	7	1.15
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	11	1.15
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	12	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	14	1.15
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	17	1.15
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	6	1.15
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	2	1.15
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	3	1.15
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	7	1.15
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	8	1.15
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	10	1.15
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	12	1.15
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	13	1.15
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	16	1.15
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	17	1.15
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	20	1.15
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	2	1.15
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	2	1.15
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	2	1.15
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	10	1.15
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	10	1.15
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	10	1.15
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	18	1.15
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	18	1.15
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	18	1.15
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	12	1.15
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	17	1.15
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	2	1.15
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	10	1.15
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	13	1.15
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	15	1.15
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	3	1.15
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	13	1.15
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	20	1.15
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	5	1.15
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	1	1.15
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	1	1.15
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	1	1.15
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	2	1.15
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	2	1.15
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	2	1.15
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	8	1.15
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	8	1.15
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	8	1.15
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	5	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	5	1.15
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	5	1.15
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	4	1.15
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	1	1.15
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	1	1.15
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	1	1.15
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	7	1.15
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	7	1.15
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	7	1.15
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	7	1.15
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	2	1.15
(2,1507)	1:86:A:VAL:HB	1:86:A:VAL:HA	2	1.15
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	11	1.15
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	3	1.15
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	4	1.15
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	5	1.15
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	16	1.15
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	20	1.15
(2,1477)	1:156:A:ILE:HA	1:156:A:ILE:HB	16	1.15
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	5	1.15
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	5	1.15
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	5	1.15
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	8	1.15
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	9	1.15
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	19	1.15
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	7	1.15
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	9	1.15
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	9	1.15
(2,1388)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	9	1.15
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	13	1.15
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	8	1.15
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	10	1.15
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	6	1.15
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	10	1.15
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	20	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	2	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	3	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	4	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	5	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	7	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	9	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	10	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	11	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	13	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	14	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	15	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	16	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	17	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	18	1.15
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	20	1.15
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	9	1.15
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	10	1.15
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	19	1.15
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	2	1.15
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	11	1.15
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	16	1.15
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	4	1.15
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	19	1.15
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	4	1.15
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	4	1.15
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	4	1.15
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	9	1.15
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	9	1.15
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	9	1.15
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	18	1.15
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	9	1.15
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	4	1.15
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	6	1.15
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	4	1.15
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	5	1.15
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	16	1.15
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	1	1.15
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	2	1.15
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	3	1.15
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	4	1.15
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	12	1.15
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	13	1.15
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	17	1.15
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	8	1.15
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	8	1.15
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	8	1.15
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	14	1.15
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	14	1.15
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	14	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	19	1.15
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	5	1.15
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	17	1.15
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	18	1.15
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	2	1.15
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	6	1.15
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	8	1.15
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	9	1.15
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	10	1.15
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	13	1.15
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	15	1.15
(2,613)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	3	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	1	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	2	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	3	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	5	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	9	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	10	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	11	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	12	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	13	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	15	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	16	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	18	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	19	1.15
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	20	1.15
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	14	1.15
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	4	1.15
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	5	1.15
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	20	1.15
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	11	1.15
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	11	1.15
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	11	1.15
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	4	1.15
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	11	1.15
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	16	1.15
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	6	1.15
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	14	1.15
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	1	1.15
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	10	1.15
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	15	1.15
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	11	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	13	1.15
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	4	1.15
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	7	1.15
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	14	1.15
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	12	1.15
(2,272)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	13	1.15
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	14	1.15
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	16	1.15
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	18	1.15
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	9	1.15
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	18	1.15
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD11	15	1.15
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD12	15	1.15
(2,204)	1:36:A:LEU:HB2	1:36:A:LEU:HD13	15	1.15
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	4	1.15
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	4	1.15
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	4	1.15
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	12	1.15
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	12	1.15
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	12	1.15
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	9	1.15
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	5	1.15
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	9	1.15
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	1	1.15
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	1	1.15
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	3	1.15
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	3	1.15
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	11	1.15
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	11	1.15
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	15	1.15
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	15	1.15
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	18	1.15
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	18	1.15
(2,90)	1:103:A:ARG:HD2	1:103:A:ARG:HB2	16	1.15
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	8	1.15
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	9	1.15
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	12	1.15
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	1	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	2	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	3	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	4	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	5	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	6	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	7	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	8	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	9	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	10	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	11	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	12	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	13	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	14	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	15	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	16	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	17	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	18	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	19	1.14
(4,1475)	1:33:A:ASN:HD21	1:33:A:ASN:HD22	20	1.14
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	3	1.14
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	8	1.14
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	11	1.14
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	13	1.14
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	15	1.14
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	16	1.14
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	18	1.14
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	8	1.14
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	8	1.14
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	8	1.14
(4,1368)	1:89:A:ILE:HG21	1:89:A:ILE:H	11	1.14
(4,1368)	1:89:A:ILE:HG22	1:89:A:ILE:H	11	1.14
(4,1368)	1:89:A:ILE:HG23	1:89:A:ILE:H	11	1.14
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	4	1.14
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	9	1.14
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	20	1.14
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	18	1.14
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	6	1.14
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	6	1.14
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	6	1.14
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	3	1.14
(4,599)	1:3:A:LYS:HG3	1:4:A:LEU:H	15	1.14
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	1	1.14
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	3	1.14
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	5	1.14
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	6	1.14
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	9	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	12	1.14
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	14	1.14
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	15	1.14
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	5	1.14
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	9	1.14
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	9	1.14
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	9	1.14
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	20	1.14
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	20	1.14
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	20	1.14
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	7	1.14
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	17	1.14
(4,152)	1:57:A:ILE:HG12	1:57:A:ILE:H	17	1.14
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	6	1.14
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	6	1.14
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	6	1.14
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	8	1.14
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	8	1.14
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	8	1.14
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	9	1.14
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	5	1.14
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	5	1.14
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	5	1.14
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	20	1.14
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	20	1.14
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	6	1.14
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	6	1.14
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	11	1.14
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	14	1.14
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	14	1.14
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	19	1.14
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	10	1.14
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	18	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	1	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	2	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	3	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	4	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	5	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	6	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	7	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	8	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	9	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	10	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	11	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	12	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	13	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	14	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	15	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	16	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	17	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	18	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	19	1.14
(2,3102)	1:50:A:GLY:HA2	1:50:A:GLY:HA3	20	1.14
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	20	1.14
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	6	1.14
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	6	1.14
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	6	1.14
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	3	1.14
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	4	1.14
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	8	1.14
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	10	1.14
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	15	1.14
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	16	1.14
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	17	1.14
(2,3013)	1:82:A:TYR:HA	1:82:A:TYR:H	20	1.14
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	14	1.14
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	14	1.14
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	14	1.14
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	10	1.14
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	2	1.14
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	6	1.14
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	12	1.14
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	12	1.14
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	12	1.14
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	1	1.14
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	8	1.14
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	15	1.14
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	14	1.14
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	3	1.14
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	6	1.14
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	7	1.14
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	19	1.14
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	8	1.14
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	8	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	8	1.14
(2,2922)	1:95:A:THR:HG21	1:95:A:THR:HA	10	1.14
(2,2922)	1:95:A:THR:HG22	1:95:A:THR:HA	10	1.14
(2,2922)	1:95:A:THR:HG23	1:95:A:THR:HA	10	1.14
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	11	1.14
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	11	1.14
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	11	1.14
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	1	1.14
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	2	1.14
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	3	1.14
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	19	1.14
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	9	1.14
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	7	1.14
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	6	1.14
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	6	1.14
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	6	1.14
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	7	1.14
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	7	1.14
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	7	1.14
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	12	1.14
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	12	1.14
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	12	1.14
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	13	1.14
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	19	1.14
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	15	1.14
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	15	1.14
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	15	1.14
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	9	1.14
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	12	1.14
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	18	1.14
(2,2722)	1:95:A:THR:HB	1:95:A:THR:HA	5	1.14
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	9	1.14
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	9	1.14
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	9	1.14
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	10	1.14
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	10	1.14
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	10	1.14
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	13	1.14
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	13	1.14
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	13	1.14
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	18	1.14
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	18	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	18	1.14
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	20	1.14
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	20	1.14
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	20	1.14
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	5	1.14
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	7	1.14
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	16	1.14
(2,2667)	1:23:A:ARG:HB3	1:23:A:ARG:HA	20	1.14
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	8	1.14
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	13	1.14
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	13	1.14
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	13	1.14
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	5	1.14
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	14	1.14
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	1	1.14
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	1	1.14
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	1	1.14
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	11	1.14
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	11	1.14
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	4	1.14
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	4	1.14
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	4	1.14
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	4	1.14
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	4	1.14
(2,2453)	1:59:A:TYR:HE1	1:59:A:TYR:HA	12	1.14
(2,2453)	1:59:A:TYR:HE2	1:59:A:TYR:HA	12	1.14
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	12	1.14
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	8	1.14
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	14	1.14
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	5	1.14
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	14	1.14
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	16	1.14
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	17	1.14
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	19	1.14
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	12	1.14
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	5	1.14
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	16	1.14
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	18	1.14
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	19	1.14
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	11	1.14
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	17	1.14
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	7	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	7	1.14
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	7	1.14
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	19	1.14
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	4	1.14
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	13	1.14
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	6	1.14
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	1	1.14
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	6	1.14
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	7	1.14
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	12	1.14
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	3	1.14
(2,2064)	1:121:A:GLN:H	1:121:A:GLN:HA	11	1.14
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	1	1.14
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	13	1.14
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	16	1.14
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	19	1.14
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	1	1.14
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	4	1.14
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	5	1.14
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	6	1.14
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	9	1.14
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	11	1.14
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	15	1.14
(2,1878)	1:110:A:PRO:HG3	1:110:A:PRO:HB2	19	1.14
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	1	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	1	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	1	1.14
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	3	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	3	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	3	1.14
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	4	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	4	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	4	1.14
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	6	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	6	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	6	1.14
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	7	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	7	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	7	1.14
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	8	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	8	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	8	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	9	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	9	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	9	1.14
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	12	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	12	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	12	1.14
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	13	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	13	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	13	1.14
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	14	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	14	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	14	1.14
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	15	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	15	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	15	1.14
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	19	1.14
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	19	1.14
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	19	1.14
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	5	1.14
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	6	1.14
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	15	1.14
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	19	1.14
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	17	1.14
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	14	1.14
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	19	1.14
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	18	1.14
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	11	1.14
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	18	1.14
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	4	1.14
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	6	1.14
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	6	1.14
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	6	1.14
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	17	1.14
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	11	1.14
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	11	1.14
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	11	1.14
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	12	1.14
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	12	1.14
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	12	1.14
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	3	1.14
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	9	1.14
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	9	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	9	1.14
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	19	1.14
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	10	1.14
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	9	1.14
(2,1561)	1:121:A:GLN:HB3	1:121:A:GLN:HA	14	1.14
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	18	1.14
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	7	1.14
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	9	1.14
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	10	1.14
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	13	1.14
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	14	1.14
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	15	1.14
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	6	1.14
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	6	1.14
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	6	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	1	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	2	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	3	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	4	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	6	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	7	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	10	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	11	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	13	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	14	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	15	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	17	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	18	1.14
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	20	1.14
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	5	1.14
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	11	1.14
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	14	1.14
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	4	1.14
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	18	1.14
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	9	1.14
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	13	1.14
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	18	1.14
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	1	1.14
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	6	1.14
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	12	1.14
(2,1263)	1:44:A:GLN:HB2	1:44:A:GLN:HB3	19	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	1	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	2	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	3	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	4	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	5	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	6	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	7	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	8	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	11	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	12	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	13	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	14	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	15	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	16	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	17	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	18	1.14
(2,1256)	1:161:A:THR:HA	1:161:A:THR:HB	20	1.14
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	10	1.14
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	5	1.14
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	20	1.14
(2,1217)	1:70:A:LEU:HD21	1:71:A:THR:H	11	1.14
(2,1217)	1:70:A:LEU:HD22	1:71:A:THR:H	11	1.14
(2,1217)	1:70:A:LEU:HD23	1:71:A:THR:H	11	1.14
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	13	1.14
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	20	1.14
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	16	1.14
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	20	1.14
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	2	1.14
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	2	1.14
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	2	1.14
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	7	1.14
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	7	1.14
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	7	1.14
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	8	1.14
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	8	1.14
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	8	1.14
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	4	1.14
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	6	1.14
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	12	1.14
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	5	1.14
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	5	1.14
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	8	1.14
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	6	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	8	1.14
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	13	1.14
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	15	1.14
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	12	1.14
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	11	1.14
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	9	1.14
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	16	1.14
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	19	1.14
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	10	1.14
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	15	1.14
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	13	1.14
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	11	1.14
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	4	1.14
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	8	1.14
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	11	1.14
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	12	1.14
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	5	1.14
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	9	1.14
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	10	1.14
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	19	1.14
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	2	1.14
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	2	1.14
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	2	1.14
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	6	1.14
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	11	1.14
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	11	1.14
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	11	1.14
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	3	1.14
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	3	1.14
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	3	1.14
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	16	1.14
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	11	1.14
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	12	1.14
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	8	1.14
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	16	1.14
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	19	1.14
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	4	1.14
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	6	1.14
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	7	1.14
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	8	1.14
(2,558)	1:164:A:THR:H	1:164:A:THR:HA	14	1.14
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	10	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	6	1.14
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	17	1.14
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	12	1.14
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	19	1.14
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	19	1.14
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	19	1.14
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	3	1.14
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	9	1.14
(2,428)	1:68:A:LYS:HA	1:68:A:LYS:HB2	2	1.14
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	18	1.14
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	19	1.14
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	1	1.14
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	4	1.14
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	18	1.14
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	4	1.14
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	2	1.14
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	2	1.14
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	3	1.14
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	8	1.14
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	10	1.14
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	19	1.14
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	20	1.14
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	1	1.14
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	3	1.14
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	4	1.14
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	5	1.14
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	6	1.14
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	7	1.14
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	8	1.14
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	9	1.14
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	13	1.14
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	15	1.14
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	17	1.14
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	19	1.14
(2,250)	1:162:A:ARG:HB3	1:162:A:ARG:HA	4	1.14
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	4	1.14
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	2	1.14
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	2	1.14
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	2	1.14
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	13	1.14
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	13	1.14
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	13	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	16	1.14
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	16	1.14
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	16	1.14
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	17	1.14
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	17	1.14
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	17	1.14
(2,197)	1:116:A:LEU:HD11	1:116:A:LEU:HA	19	1.14
(2,197)	1:116:A:LEU:HD12	1:116:A:LEU:HA	19	1.14
(2,197)	1:116:A:LEU:HD13	1:116:A:LEU:HA	19	1.14
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	13	1.14
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	10	1.14
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	18	1.14
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	2	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	1	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	2	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	3	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	4	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	6	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	7	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	8	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	9	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	10	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	11	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	12	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	13	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	14	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	15	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	16	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	17	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	18	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	19	1.14
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	20	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	1	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	2	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	3	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	4	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	5	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	7	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	8	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	9	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	11	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	12	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	13	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	14	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	16	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	17	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	18	1.14
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	19	1.14
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	2	1.13
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	7	1.13
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	9	1.13
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	12	1.13
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	5	1.13
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	16	1.13
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	2	1.13
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	10	1.13
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	11	1.13
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	4	1.13
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	12	1.13
(4,648)	1:111:A:PHE:HB2	1:112:A:GLY:H	4	1.13
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	2	1.13
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	4	1.13
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	7	1.13
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	10	1.13
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	11	1.13
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	16	1.13
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	17	1.13
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	18	1.13
(4,562)	1:23:A:ARG:HG2	1:24:A:ILE:H	19	1.13
(4,545)	1:147:A:ASN:HD21	1:147:A:ASN:H	2	1.13
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	6	1.13
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	7	1.13
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	12	1.13
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	14	1.13
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	15	1.13
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	16	1.13
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	15	1.13
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	15	1.13
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	15	1.13
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	5	1.13
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	14	1.13
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	4	1.13
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	6	1.13
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	20	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	7	1.13
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	7	1.13
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	7	1.13
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	1	1.13
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	1	1.13
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	1	1.13
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	7	1.13
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	7	1.13
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	7	1.13
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	13	1.13
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	13	1.13
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	13	1.13
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	17	1.13
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	17	1.13
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	17	1.13
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	1	1.13
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	1	1.13
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	7	1.13
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	7	1.13
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	10	1.13
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	10	1.13
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	7	1.13
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	13	1.13
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	18	1.13
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	3	1.13
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	8	1.13
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	7	1.13
(2,3111)	1:75:A:ASN:HA	1:75:A:ASN:H	3	1.13
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	3	1.13
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	20	1.13
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	16	1.13
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	17	1.13
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	1	1.13
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	5	1.13
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	9	1.13
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	10	1.13
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	14	1.13
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	15	1.13
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	16	1.13
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	20	1.13
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	19	1.13
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	19	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2980)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	19	1.13
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	4	1.13
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	12	1.13
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	13	1.13
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	18	1.13
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	9	1.13
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	4	1.13
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	5	1.13
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	11	1.13
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	12	1.13
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	14	1.13
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	17	1.13
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	18	1.13
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	4	1.13
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	9	1.13
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	10	1.13
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	16	1.13
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	18	1.13
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	14	1.13
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	4	1.13
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	6	1.13
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	17	1.13
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	18	1.13
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	18	1.13
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	18	1.13
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	11	1.13
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	2	1.13
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	3	1.13
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	5	1.13
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	6	1.13
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	7	1.13
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	8	1.13
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	9	1.13
(2,2785)	1:73:A:SER:HB2	1:73:A:SER:HA	15	1.13
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	18	1.13
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	1	1.13
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	16	1.13
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	7	1.13
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	7	1.13
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	7	1.13
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	8	1.13
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	8	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	8	1.13
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	19	1.13
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	19	1.13
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	19	1.13
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	9	1.13
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	17	1.13
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	19	1.13
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	2	1.13
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	6	1.13
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	3	1.13
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	14	1.13
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	19	1.13
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	19	1.13
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	19	1.13
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	5	1.13
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	8	1.13
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	1	1.13
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	17	1.13
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	3	1.13
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	7	1.13
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	10	1.13
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	13	1.13
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	16	1.13
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	18	1.13
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	19	1.13
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	20	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	1	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	2	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	3	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	4	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	6	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	8	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	9	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	10	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	11	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	12	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	13	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	15	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	18	1.13
(2,2379)	1:130:A:ASN:HA	1:130:A:ASN:HB3	20	1.13
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	7	1.13
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	4	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	6	1.13
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	7	1.13
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	10	1.13
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	14	1.13
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	18	1.13
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	11	1.13
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	11	1.13
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	11	1.13
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	3	1.13
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	5	1.13
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	6	1.13
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	11	1.13
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	5	1.13
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	13	1.13
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	13	1.13
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	18	1.13
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	6	1.13
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	1	1.13
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	4	1.13
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	6	1.13
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	8	1.13
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	10	1.13
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	13	1.13
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	14	1.13
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	15	1.13
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	17	1.13
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	18	1.13
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	20	1.13
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	13	1.13
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	3	1.13
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	5	1.13
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	12	1.13
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	10	1.13
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	11	1.13
(2,1864)	1:118:A:LEU:HD11	1:118:A:LEU:HB2	17	1.13
(2,1864)	1:118:A:LEU:HD12	1:118:A:LEU:HB2	17	1.13
(2,1864)	1:118:A:LEU:HD13	1:118:A:LEU:HB2	17	1.13
(2,1848)	1:47:A:VAL:HG11	1:47:A:VAL:HA	1	1.13
(2,1848)	1:47:A:VAL:HG12	1:47:A:VAL:HA	1	1.13
(2,1848)	1:47:A:VAL:HG13	1:47:A:VAL:HA	1	1.13
(2,1832)	1:121:A:GLN:HG3	1:121:A:GLN:HB2	11	1.13
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	4	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	15	1.13
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	2	1.13
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	15	1.13
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	11	1.13
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	18	1.13
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	18	1.13
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	18	1.13
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	1	1.13
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	1	1.13
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	1	1.13
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	4	1.13
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	4	1.13
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	4	1.13
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	7	1.13
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	2	1.13
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	2	1.13
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	2	1.13
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	17	1.13
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	17	1.13
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	17	1.13
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	19	1.13
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	19	1.13
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	19	1.13
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	13	1.13
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	1	1.13
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	19	1.13
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	14	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	1	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	2	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	3	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	4	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	5	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	6	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	7	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	8	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	9	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	10	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	11	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	12	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	13	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	14	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	15	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	16	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	17	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	18	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	19	1.13
(2,1521)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	20	1.13
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	15	1.13
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	1	1.13
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	8	1.13
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	18	1.13
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	19	1.13
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	8	1.13
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	8	1.13
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	8	1.13
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	12	1.13
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	12	1.13
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	12	1.13
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	12	1.13
(2,1453)	1:164:A:THR:HB	1:164:A:THR:HA	16	1.13
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	3	1.13
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	3	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	1	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	3	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	5	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	6	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	7	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	8	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	9	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	11	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	12	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	14	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	15	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	17	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	18	1.13
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	20	1.13
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	2	1.13
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	7	1.13
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	9	1.13
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	13	1.13
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	15	1.13
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	16	1.13
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	20	1.13
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	1	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	3	1.13
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	20	1.13
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	1	1.13
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	3	1.13
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	4	1.13
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	5	1.13
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	6	1.13
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	7	1.13
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	8	1.13
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	9	1.13
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	13	1.13
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	17	1.13
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	19	1.13
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	11	1.13
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	2	1.13
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	5	1.13
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	11	1.13
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	3	1.13
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	3	1.13
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	3	1.13
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	14	1.13
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	14	1.13
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	14	1.13
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	16	1.13
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	16	1.13
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	16	1.13
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	18	1.13
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	18	1.13
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	18	1.13
(2,1138)	1:40:A:LEU:HD21	1:40:A:LEU:HA	9	1.13
(2,1138)	1:40:A:LEU:HD22	1:40:A:LEU:HA	9	1.13
(2,1138)	1:40:A:LEU:HD23	1:40:A:LEU:HA	9	1.13
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	2	1.13
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	4	1.13
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	15	1.13
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	20	1.13
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	9	1.13
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	9	1.13
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	9	1.13
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	1	1.13
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	11	1.13
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	7	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	7	1.13
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	7	1.13
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	1	1.13
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	7	1.13
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	9	1.13
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	10	1.13
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	19	1.13
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	1	1.13
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	5	1.13
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	9	1.13
(2,1050)	1:54:A:PRO:HB2	1:54:A:PRO:HA	16	1.13
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	9	1.13
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	16	1.13
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	6	1.13
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	18	1.13
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	20	1.13
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	4	1.13
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	6	1.13
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	11	1.13
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	17	1.13
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	4	1.13
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	8	1.13
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	2	1.13
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	12	1.13
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	11	1.13
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	20	1.13
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	1	1.13
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	3	1.13
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	6	1.13
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	7	1.13
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	9	1.13
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	10	1.13
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	13	1.13
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	14	1.13
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	15	1.13
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	18	1.13
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	19	1.13
(2,879)	1:12:A:GLY:HA2	1:13:A:ASP:H	10	1.13
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	7	1.13
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	7	1.13
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	7	1.13
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	9	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	9	1.13
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	9	1.13
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	11	1.13
(2,630)	1:150:A:VAL:HA	1:151:A:ILE:H	17	1.13
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	9	1.13
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	3	1.13
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	8	1.13
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	16	1.13
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	5	1.13
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	15	1.13
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	2	1.13
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	2	1.13
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	2	1.13
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	14	1.13
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	14	1.13
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	14	1.13
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	3	1.13
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	2	1.13
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	3	1.13
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	5	1.13
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	7	1.13
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	13	1.13
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	17	1.13
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	19	1.13
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	20	1.13
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	6	1.13
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	11	1.13
(2,302)	1:37:A:GLN:H	1:37:A:GLN:HG3	2	1.13
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	6	1.13
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	18	1.13
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	6	1.13
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	11	1.13
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	15	1.13
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	17	1.13
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	9	1.13
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	2	1.13
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	10	1.13
(2,259)	1:83:A:PRO:HG2	1:83:A:PRO:HD3	11	1.13
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	16	1.13
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	5	1.13
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	7	1.13
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	19	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	19	1.13
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	7	1.13
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	7	1.13
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	3	1.13
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	12	1.13
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	15	1.13
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	17	1.13
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	6	1.13
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	5	1.13
(2,35)	1:148:A:LYS:HG2	1:148:A:LYS:HG3	5	1.13
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	8	1.13
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	6	1.13
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	10	1.13
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	15	1.13
(2,20)	1:24:A:ILE:HB	1:24:A:ILE:HA	20	1.13
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	1	1.12
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	10	1.12
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	14	1.12
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	14	1.12
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	14	1.12
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	18	1.12
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	18	1.12
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	18	1.12
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	12	1.12
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	14	1.12
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	5	1.12
(4,1213)	1:80:A:LYS:HG3	1:81:A:THR:H	14	1.12
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	10	1.12
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	10	1.12
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	10	1.12
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	14	1.12
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	14	1.12
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	14	1.12
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	7	1.12
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	18	1.12
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	3	1.12
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	14	1.12
(4,740)	1:88:A:LYS:HG3	1:88:A:LYS:H	6	1.12
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	14	1.12
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	14	1.12
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	14	1.12
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	3	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	5	1.12
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	7	1.12
(4,545)	1:147:A:ASN:HD21	1:147:A:ASN:H	15	1.12
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	17	1.12
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	20	1.12
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	1	1.12
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	12	1.12
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	12	1.12
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	12	1.12
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	16	1.12
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	4	1.12
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	1	1.12
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	2	1.12
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	15	1.12
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	15	1.12
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	15	1.12
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	18	1.12
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	18	1.12
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	18	1.12
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	18	1.12
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	8	1.12
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	8	1.12
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	8	1.12
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	10	1.12
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	10	1.12
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	10	1.12
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	12	1.12
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	12	1.12
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	12	1.12
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	16	1.12
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	16	1.12
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	16	1.12
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	20	1.12
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	20	1.12
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	20	1.12
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	4	1.12
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	4	1.12
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	12	1.12
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	12	1.12
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	13	1.12
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	13	1.12
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	15	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	15	1.12
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	18	1.12
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	18	1.12
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	1	1.12
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	2	1.12
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	3	1.12
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	8	1.12
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	9	1.12
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	10	1.12
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	15	1.12
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	19	1.12
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	4	1.12
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	17	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	1	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	2	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	3	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	4	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	5	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	6	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	8	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	9	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	10	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	11	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	12	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	13	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	14	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	15	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	17	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	18	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	19	1.12
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	20	1.12
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	5	1.12
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	5	1.12
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	10	1.12
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	19	1.12
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	16	1.12
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	7	1.12
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	11	1.12
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	12	1.12
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	17	1.12
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	2	1.12
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	3	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	5	1.12
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	7	1.12
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	9	1.12
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	14	1.12
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	17	1.12
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	3	1.12
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	10	1.12
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	13	1.12
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	10	1.12
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	1	1.12
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	8	1.12
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	9	1.12
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	10	1.12
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	13	1.12
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	15	1.12
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	7	1.12
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	8	1.12
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	13	1.12
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	17	1.12
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	6	1.12
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	5	1.12
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	15	1.12
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	8	1.12
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	8	1.12
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	8	1.12
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	4	1.12
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	2	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	1	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	2	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	3	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	4	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	5	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	6	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	7	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	8	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	11	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	12	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	13	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	14	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	15	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	18	1.12
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	20	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	8	1.12
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	13	1.12
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	15	1.12
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	4	1.12
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	7	1.12
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	8	1.12
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	11	1.12
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	12	1.12
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	15	1.12
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	19	1.12
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	11	1.12
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	3	1.12
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	3	1.12
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	3	1.12
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	9	1.12
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	9	1.12
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	9	1.12
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	10	1.12
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	10	1.12
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	10	1.12
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	3	1.12
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	9	1.12
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	19	1.12
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	10	1.12
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	14	1.12
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	2	1.12
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	4	1.12
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	6	1.12
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	9	1.12
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	11	1.12
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	12	1.12
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	14	1.12
(2,2417)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	17	1.12
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	18	1.12
(2,2396)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	5	1.12
(2,2396)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	20	1.12
(2,2386)	1:116:A:LEU:HD21	1:116:A:LEU:HA	6	1.12
(2,2386)	1:116:A:LEU:HD22	1:116:A:LEU:HA	6	1.12
(2,2386)	1:116:A:LEU:HD23	1:116:A:LEU:HA	6	1.12
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	4	1.12
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	5	1.12
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	2	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	19	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	1	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	1	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	1	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	2	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	2	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	2	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	3	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	3	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	3	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	4	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	4	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	4	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	5	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	5	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	5	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	7	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	7	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	7	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	8	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	8	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	8	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	11	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	11	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	11	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	12	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	12	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	12	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	13	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	13	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	13	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	15	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	15	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	15	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	16	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	16	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	16	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	17	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	17	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	17	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	18	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	18	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	18	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	19	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	19	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	19	1.12
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	20	1.12
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	20	1.12
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	20	1.12
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	10	1.12
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	5	1.12
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	7	1.12
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	12	1.12
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	1	1.12
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	18	1.12
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	5	1.12
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	8	1.12
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	9	1.12
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	12	1.12
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	14	1.12
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	17	1.12
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	6	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	1	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	2	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	3	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	4	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	7	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	8	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	9	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	12	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	13	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	14	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	15	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	16	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	17	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	18	1.12
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	19	1.12
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	3	1.12
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	5	1.12
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	17	1.12
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	13	1.12
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	17	1.12
(2,1957)	1:158:A:PRO:HB3	1:158:A:PRO:HG3	9	1.12
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	3	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	3	1.12
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	3	1.12
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	11	1.12
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	2	1.12
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	3	1.12
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	9	1.12
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	13	1.12
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	15	1.12
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	4	1.12
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	12	1.12
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	16	1.12
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	13	1.12
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	15	1.12
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	15	1.12
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	15	1.12
(2,1699)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	19	1.12
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	9	1.12
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	12	1.12
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	12	1.12
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	12	1.12
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	16	1.12
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	16	1.12
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	16	1.12
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	20	1.12
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	17	1.12
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	10	1.12
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	3	1.12
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	3	1.12
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	3	1.12
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	5	1.12
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	5	1.12
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	5	1.12
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	10	1.12
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	10	1.12
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	10	1.12
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	15	1.12
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	15	1.12
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	15	1.12
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	3	1.12
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	6	1.12
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	9	1.12
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	13	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	1	1.12
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	4	1.12
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	7	1.12
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	8	1.12
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	9	1.12
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	11	1.12
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	14	1.12
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	16	1.12
(2,1505)	1:122:A:HIS:HB2	1:122:A:HIS:HA	19	1.12
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	2	1.12
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	12	1.12
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	17	1.12
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	4	1.12
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	4	1.12
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	4	1.12
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	9	1.12
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	9	1.12
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	9	1.12
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	10	1.12
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	5	1.12
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	2	1.12
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	10	1.12
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	16	1.12
(2,1373)	1:8:A:GLN:HG3	1:8:A:GLN:HE22	19	1.12
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	1	1.12
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	3	1.12
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	4	1.12
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	5	1.12
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	6	1.12
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	8	1.12
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	10	1.12
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	11	1.12
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	12	1.12
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	14	1.12
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	17	1.12
(2,1364)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	19	1.12
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	13	1.12
(2,1333)	1:76:A:ASN:H	1:76:A:ASN:HB2	14	1.12
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	9	1.12
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	15	1.12
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	18	1.12
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	1	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	18	1.12
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	4	1.12
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	11	1.12
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	14	1.12
(2,1186)	1:100:A:ILE:HG12	1:100:A:ILE:H	17	1.12
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	2	1.12
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	3	1.12
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	6	1.12
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	7	1.12
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	8	1.12
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	9	1.12
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	10	1.12
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	12	1.12
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	13	1.12
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	14	1.12
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	15	1.12
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	18	1.12
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	5	1.12
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	5	1.12
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	5	1.12
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	10	1.12
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	10	1.12
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	10	1.12
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	17	1.12
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	17	1.12
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	17	1.12
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	19	1.12
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	19	1.12
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	19	1.12
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	7	1.12
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	9	1.12
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	10	1.12
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	13	1.12
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	16	1.12
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	17	1.12
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	13	1.12
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	19	1.12
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	9	1.12
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	9	1.12
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	9	1.12
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	16	1.12
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	16	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	16	1.12
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	3	1.12
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	6	1.12
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	11	1.12
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	12	1.12
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	14	1.12
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	14	1.12
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	13	1.12
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	14	1.12
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	10	1.12
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	14	1.12
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	15	1.12
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	1	1.12
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	11	1.12
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	12	1.12
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	14	1.12
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	17	1.12
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	20	1.12
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	13	1.12
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	8	1.12
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	14	1.12
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	3	1.12
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	11	1.12
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	1	1.12
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	2	1.12
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	12	1.12
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	13	1.12
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	17	1.12
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	18	1.12
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	2	1.12
(2,894)	1:90:A:LEU:HG	1:90:A:LEU:HB2	17	1.12
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	15	1.12
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	16	1.12
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	16	1.12
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	16	1.12
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	20	1.12
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	20	1.12
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	20	1.12
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	17	1.12
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	3	1.12
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	2	1.12
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	12	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,634)	1:21:A:ASP:HA	1:21:A:ASP:HB2	8	1.12
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	15	1.12
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	1	1.12
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	5	1.12
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	4	1.12
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	13	1.12
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	15	1.12
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	20	1.12
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	19	1.12
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	1	1.12
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	20	1.12
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	7	1.12
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	7	1.12
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	7	1.12
(2,458)	1:5:A:LEU:HD21	1:5:A:LEU:HA	10	1.12
(2,458)	1:5:A:LEU:HD22	1:5:A:LEU:HA	10	1.12
(2,458)	1:5:A:LEU:HD23	1:5:A:LEU:HA	10	1.12
(2,444)	1:86:A:VAL:HG11	1:86:A:VAL:HA	2	1.12
(2,444)	1:86:A:VAL:HG12	1:86:A:VAL:HA	2	1.12
(2,444)	1:86:A:VAL:HG13	1:86:A:VAL:HA	2	1.12
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	11	1.12
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	10	1.12
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	10	1.12
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	10	1.12
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	14	1.12
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	14	1.12
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	14	1.12
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	6	1.12
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	11	1.12
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	2	1.12
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	8	1.12
(2,336)	1:6:A:THR:H	1:5:A:LEU:HG	20	1.12
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	12	1.12
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	8	1.12
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	5	1.12
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	14	1.12
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	1	1.12
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	6	1.12
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	18	1.12
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	3	1.12
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	19	1.12
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	17	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	3	1.12
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	3	1.12
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	3	1.12
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	10	1.12
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	16	1.12
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	6	1.12
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	6	1.12
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	18	1.12
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	6	1.12
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	14	1.12
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	1	1.12
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	2	1.12
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	10	1.12
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	15	1.12
(1,7)	1:123:A:TYR:HE1	1:122:A:HIS:HB2	9	1.12
(1,7)	1:123:A:TYR:HE2	1:122:A:HIS:HB2	9	1.12
(4,1415)	1:3:A:LYS:HG3	1:3:A:LYS:H	19	1.11
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	13	1.11
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	13	1.11
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	13	1.11
(4,1322)	1:166:A:ASN:H	1:166:A:ASN:HD21	2	1.11
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	3	1.11
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	4	1.11
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	10	1.11
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	13	1.11
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	17	1.11
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	12	1.11
(4,1166)	1:86:A:VAL:HG21	1:86:A:VAL:H	7	1.11
(4,1166)	1:86:A:VAL:HG22	1:86:A:VAL:H	7	1.11
(4,1166)	1:86:A:VAL:HG23	1:86:A:VAL:H	7	1.11
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	4	1.11
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	12	1.11
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	15	1.11
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	7	1.11
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	13	1.11
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	7	1.11
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	10	1.11
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	19	1.11
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	10	1.11
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	7	1.11
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	7	1.11
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	7	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	1	1.11
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	2	1.11
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	6	1.11
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	13	1.11
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	3	1.11
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	8	1.11
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	11	1.11
(4,152)	1:57:A:ILE:HG12	1:57:A:ILE:H	10	1.11
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	12	1.11
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	16	1.11
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	20	1.11
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	8	1.11
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	3	1.11
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	3	1.11
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	3	1.11
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	15	1.11
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	15	1.11
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	15	1.11
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	19	1.11
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	19	1.11
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	19	1.11
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	6	1.11
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	6	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	2	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	2	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	3	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	3	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	4	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	4	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	10	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	10	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	11	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	11	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	12	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	12	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	14	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	14	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	15	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	15	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	16	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	16	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	18	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	18	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	19	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	19	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	20	1.11
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	20	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	1	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	1	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	1	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	2	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	2	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	2	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	3	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	3	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	3	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	4	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	4	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	4	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	5	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	5	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	5	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	6	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	6	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	6	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	7	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	7	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	7	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	8	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	8	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	8	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	9	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	9	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	9	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	10	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	10	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	10	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	11	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	11	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	11	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	12	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	12	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	12	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	13	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	13	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	13	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	14	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	14	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	14	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	15	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	15	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	15	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	17	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	17	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	17	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	18	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	18	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	18	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	19	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	19	1.11
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	19	1.11
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	20	1.11
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	4	1.11
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	5	1.11
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	6	1.11
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	12	1.11
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	16	1.11
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	5	1.11
(2,3174)	1:8:A:GLN:HA	1:8:A:GLN:H	16	1.11
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	18	1.11
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	2	1.11
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	2	1.11
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	2	1.11
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	10	1.11
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	19	1.11
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	1	1.11
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	19	1.11
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	2	1.11
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	4	1.11
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	8	1.11
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	3	1.11
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	10	1.11
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	6	1.11
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	2	1.11
(2,2923)	1:78:A:VAL:H	1:78:A:VAL:HA	16	1.11
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	5	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	12	1.11
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	14	1.11
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	15	1.11
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	9	1.11
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	12	1.11
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	1	1.11
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	7	1.11
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	15	1.11
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	19	1.11
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	14	1.11
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	4	1.11
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	16	1.11
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	6	1.11
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	6	1.11
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	6	1.11
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	10	1.11
(2,2695)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	16	1.11
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	9	1.11
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	14	1.11
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	15	1.11
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	11	1.11
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	18	1.11
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	9	1.11
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	14	1.11
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	18	1.11
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	1	1.11
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	6	1.11
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	9	1.11
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	12	1.11
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	15	1.11
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	4	1.11
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	18	1.11
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	3	1.11
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	6	1.11
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	13	1.11
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	18	1.11
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	2	1.11
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	2	1.11
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	2	1.11
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	7	1.11
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	7	1.11
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	7	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	8	1.11
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	8	1.11
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	8	1.11
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	14	1.11
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	14	1.11
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	14	1.11
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	16	1.11
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	20	1.11
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	10	1.11
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	2	1.11
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	12	1.11
(2,2396)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	10	1.11
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	2	1.11
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	18	1.11
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	20	1.11
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	12	1.11
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	17	1.11
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	3	1.11
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	9	1.11
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	16	1.11
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	12	1.11
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	12	1.11
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	12	1.11
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	13	1.11
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	13	1.11
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	13	1.11
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	6	1.11
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	6	1.11
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	6	1.11
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	9	1.11
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	9	1.11
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	9	1.11
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	10	1.11
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	10	1.11
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	10	1.11
(2,2338)	1:157:A:VAL:HG21	1:157:A:VAL:HA	14	1.11
(2,2338)	1:157:A:VAL:HG22	1:157:A:VAL:HA	14	1.11
(2,2338)	1:157:A:VAL:HG23	1:157:A:VAL:HA	14	1.11
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	17	1.11
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	2	1.11
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	10	1.11
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	15	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	17	1.11
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	18	1.11
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	18	1.11
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	18	1.11
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	18	1.11
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	5	1.11
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	6	1.11
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	10	1.11
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	19	1.11
(2,1997)	1:115:A:TRP:H	1:115:A:TRP:HB2	11	1.11
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	20	1.11
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	4	1.11
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	20	1.11
(2,1930)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	4	1.11
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	14	1.11
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	14	1.11
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	14	1.11
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	3	1.11
(2,1758)	1:155:A:SER:HB3	1:155:A:SER:H	14	1.11
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	1	1.11
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	4	1.11
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	5	1.11
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	6	1.11
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	8	1.11
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	16	1.11
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	17	1.11
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	18	1.11
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	19	1.11
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	20	1.11
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	2	1.11
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	5	1.11
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	13	1.11
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	15	1.11
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	19	1.11
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	7	1.11
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	7	1.11
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	7	1.11
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	10	1.11
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	10	1.11
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	10	1.11
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	15	1.11
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	15	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	15	1.11
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	18	1.11
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	18	1.11
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	18	1.11
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	20	1.11
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	20	1.11
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	20	1.11
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	1	1.11
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	7	1.11
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	7	1.11
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	7	1.11
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	5	1.11
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	10	1.11
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	5	1.11
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	8	1.11
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	15	1.11
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	17	1.11
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	11	1.11
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	4	1.11
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	12	1.11
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	17	1.11
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD21	3	1.11
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD22	3	1.11
(2,1436)	1:72:A:LEU:HB3	1:72:A:LEU:HD23	3	1.11
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	9	1.11
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	19	1.11
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	11	1.11
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	2	1.11
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	8	1.11
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	12	1.11
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	19	1.11
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	14	1.11
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	16	1.11
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	14	1.11
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	3	1.11
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	5	1.11
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	20	1.11
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	1	1.11
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	4	1.11
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	17	1.11
(2,1172)	1:118:A:LEU:HB2	1:118:A:LEU:HG	19	1.11
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	6	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	6	1.11
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	6	1.11
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	15	1.11
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	15	1.11
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	15	1.11
(2,1166)	1:47:A:VAL:HG21	1:47:A:VAL:HA	20	1.11
(2,1166)	1:47:A:VAL:HG22	1:47:A:VAL:HA	20	1.11
(2,1166)	1:47:A:VAL:HG23	1:47:A:VAL:HA	20	1.11
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	8	1.11
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	19	1.11
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	2	1.11
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	4	1.11
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	7	1.11
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	8	1.11
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	12	1.11
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	17	1.11
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	3	1.11
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	3	1.11
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	3	1.11
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	18	1.11
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	2	1.11
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	10	1.11
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	8	1.11
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	18	1.11
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	2	1.11
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	7	1.11
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	10	1.11
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	15	1.11
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	7	1.11
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	3	1.11
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	4	1.11
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	6	1.11
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	7	1.11
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	9	1.11
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	10	1.11
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	15	1.11
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	16	1.11
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	19	1.11
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	13	1.11
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	13	1.11
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	13	1.11
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	8	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	2	1.11
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	5	1.11
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	7	1.11
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	9	1.11
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	10	1.11
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	11	1.11
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	13	1.11
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	17	1.11
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	19	1.11
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	20	1.11
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	13	1.11
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	17	1.11
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	15	1.11
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	9	1.11
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	18	1.11
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	9	1.11
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	17	1.11
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	2	1.11
(2,508)	1:86:A:VAL:HG21	1:86:A:VAL:H	2	1.11
(2,508)	1:86:A:VAL:HG22	1:86:A:VAL:H	2	1.11
(2,508)	1:86:A:VAL:HG23	1:86:A:VAL:H	2	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	2	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	2	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	2	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	3	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	3	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	3	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	8	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	8	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	8	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	16	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	16	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	16	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	18	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	18	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	18	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	19	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	19	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	19	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	20	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	20	1.11
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	20	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	14	1.11
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	10	1.11
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	3	1.11
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	9	1.11
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	16	1.11
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	12	1.11
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	2	1.11
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	17	1.11
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	11	1.11
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	8	1.11
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	15	1.11
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	15	1.11
(2,135)	1:44:A:GLN:HB2	1:44:A:GLN:HA	8	1.11
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	11	1.11
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	17	1.11
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	1	1.11
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	20	1.1
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	20	1.1
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	20	1.1
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	2	1.1
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	6	1.1
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	7	1.1
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	15	1.1
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	3	1.1
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	16	1.1
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	19	1.1
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	9	1.1
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	1	1.1
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	17	1.1
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	17	1.1
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	17	1.1
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	9	1.1
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	18	1.1
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	19	1.1
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	18	1.1
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	18	1.1
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	18	1.1
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	1	1.1
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	2	1.1
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	4	1.1
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	2	1.1
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	12	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,2)	1:138:A:VAL:HG11	1:138:A:VAL:H	4	1.1
(4,2)	1:138:A:VAL:HG12	1:138:A:VAL:H	4	1.1
(4,2)	1:138:A:VAL:HG13	1:138:A:VAL:H	4	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	2	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	2	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	3	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	3	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	8	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	8	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	9	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	9	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	14	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	14	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	16	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	16	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	20	1.1
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	20	1.1
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	6	1.1
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	6	1.1
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	7	1.1
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	7	1.1
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	5	1.1
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	5	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	1	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	1	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	5	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	5	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	6	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	6	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	7	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	7	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	8	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	8	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	9	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	9	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	13	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	13	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD1	17	1.1
(3,28)	1:7:A:TYR:HB3	1:7:A:TYR:HD2	17	1.1
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	16	1.1
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	16	1.1
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	16	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG21	20	1.1
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG22	20	1.1
(2,3207)	1:24:A:ILE:HG13	1:24:A:ILE:HG23	20	1.1
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	17	1.1
(2,3190)	1:105:A:ARG:HB2	1:106:A:ASN:H	20	1.1
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	9	1.1
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	20	1.1
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	17	1.1
(2,3125)	1:11:A:GLN:HA	1:11:A:GLN:HG3	11	1.1
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	4	1.1
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	6	1.1
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	9	1.1
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	11	1.1
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	12	1.1
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	15	1.1
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	17	1.1
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	18	1.1
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	2	1.1
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	15	1.1
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	10	1.1
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	16	1.1
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	12	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	2	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	3	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	4	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	5	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	7	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	8	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	9	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	10	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	11	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	12	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	13	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	14	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	15	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	16	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	17	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	18	1.1
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	20	1.1
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	14	1.1
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	18	1.1
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	18	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	19	1.1
(2,2948)	1:11:A:GLN:HA	1:11:A:GLN:HG3	14	1.1
(2,2948)	1:11:A:GLN:HA	1:11:A:GLN:HG3	20	1.1
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	16	1.1
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	19	1.1
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	9	1.1
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	14	1.1
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	1	1.1
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	10	1.1
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	13	1.1
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	14	1.1
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	20	1.1
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	2	1.1
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	2	1.1
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	2	1.1
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	17	1.1
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	17	1.1
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	17	1.1
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	19	1.1
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	19	1.1
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	19	1.1
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	6	1.1
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	17	1.1
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	10	1.1
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	11	1.1
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	14	1.1
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	2	1.1
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	10	1.1
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	1	1.1
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	1	1.1
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	3	1.1
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	6	1.1
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	10	1.1
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	12	1.1
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	17	1.1
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	9	1.1
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	12	1.1
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	16	1.1
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	19	1.1
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	5	1.1
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	11	1.1
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	2	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	3	1.1
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	4	1.1
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	7	1.1
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	13	1.1
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	6	1.1
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	1	1.1
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	2	1.1
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	7	1.1
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	10	1.1
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	12	1.1
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	14	1.1
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	15	1.1
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	19	1.1
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	1	1.1
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	20	1.1
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	6	1.1
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	6	1.1
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	6	1.1
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	12	1.1
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	12	1.1
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	12	1.1
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	13	1.1
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	13	1.1
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	13	1.1
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	15	1.1
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	15	1.1
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	15	1.1
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	8	1.1
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	2	1.1
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	4	1.1
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	13	1.1
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	4	1.1
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	10	1.1
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	13	1.1
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	15	1.1
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	16	1.1
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	17	1.1
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	20	1.1
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	2	1.1
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	3	1.1
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	6	1.1
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	8	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	9	1.1
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	13	1.1
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	14	1.1
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	16	1.1
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	11	1.1
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	3	1.1
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	1	1.1
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	1	1.1
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	1	1.1
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	13	1.1
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	4	1.1
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	6	1.1
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	7	1.1
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	9	1.1
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	11	1.1
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	13	1.1
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	14	1.1
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	15	1.1
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	16	1.1
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	18	1.1
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	20	1.1
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	12	1.1
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	15	1.1
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	16	1.1
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	16	1.1
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	13	1.1
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	11	1.1
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	20	1.1
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	20	1.1
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	20	1.1
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	7	1.1
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	10	1.1
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	11	1.1
(2,2089)	1:59:A:TYR:HB2	1:60:A:HIS:H	11	1.1
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	4	1.1
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	6	1.1
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	14	1.1
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	5	1.1
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	7	1.1
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	9	1.1
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	20	1.1
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	8	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	3	1.1
(2,1902)	1:120:A:LYS:HB3	1:120:A:LYS:HD3	8	1.1
(2,1840)	1:116:A:LEU:HB3	1:116:A:LEU:H	16	1.1
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	18	1.1
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	13	1.1
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	17	1.1
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	5	1.1
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	4	1.1
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	16	1.1
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	16	1.1
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	16	1.1
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	11	1.1
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	7	1.1
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	10	1.1
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	12	1.1
(2,1734)	1:74:A:LEU:HB2	1:74:A:LEU:HA	14	1.1
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	3	1.1
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	20	1.1
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	12	1.1
(2,1700)	1:5:A:LEU:HD21	1:7:A:TYR:HB2	8	1.1
(2,1700)	1:5:A:LEU:HD22	1:7:A:TYR:HB2	8	1.1
(2,1700)	1:5:A:LEU:HD23	1:7:A:TYR:HB2	8	1.1
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	2	1.1
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	3	1.1
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	5	1.1
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	8	1.1
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	10	1.1
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	12	1.1
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	13	1.1
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	16	1.1
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	18	1.1
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	19	1.1
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	1	1.1
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	1	1.1
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	1	1.1
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	2	1.1
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	2	1.1
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	2	1.1
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	3	1.1
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	3	1.1
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	3	1.1
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	4	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	4	1.1
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	4	1.1
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	6	1.1
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	6	1.1
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	6	1.1
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	7	1.1
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	7	1.1
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	7	1.1
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	8	1.1
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	8	1.1
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	8	1.1
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	9	1.1
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	9	1.1
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	9	1.1
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	11	1.1
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	11	1.1
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	11	1.1
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	14	1.1
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	14	1.1
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	14	1.1
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	19	1.1
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	19	1.1
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	19	1.1
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	15	1.1
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	2	1.1
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	5	1.1
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	11	1.1
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	19	1.1
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	20	1.1
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	8	1.1
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	8	1.1
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	8	1.1
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	8	1.1
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	8	1.1
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	8	1.1
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	14	1.1
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	14	1.1
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	14	1.1
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	4	1.1
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	14	1.1
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	4	1.1
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	6	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1488)	1:50:A:GLY:HA3	1:51:A:LEU:H	11	1.1
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	15	1.1
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	15	1.1
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	15	1.1
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	19	1.1
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	15	1.1
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG21	20	1.1
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG22	20	1.1
(2,1430)	1:143:A:ILE:HD11	1:143:A:ILE:HG23	20	1.1
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG21	20	1.1
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG22	20	1.1
(2,1430)	1:143:A:ILE:HD12	1:143:A:ILE:HG23	20	1.1
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG21	20	1.1
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG22	20	1.1
(2,1430)	1:143:A:ILE:HD13	1:143:A:ILE:HG23	20	1.1
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	3	1.1
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	6	1.1
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	7	1.1
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	8	1.1
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	10	1.1
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	15	1.1
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	17	1.1
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	20	1.1
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	15	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	1	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	2	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	3	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	4	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	5	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	6	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	7	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	8	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	9	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	10	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	11	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	12	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	13	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	14	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	15	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	16	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	17	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	18	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	19	1.1
(2,1321)	1:125:A:ILE:HG13	1:125:A:ILE:HB	20	1.1
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	17	1.1
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	12	1.1
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	1	1.1
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	13	1.1
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	20	1.1
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	12	1.1
(2,1239)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	16	1.1
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	17	1.1
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	13	1.1
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	15	1.1
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	1	1.1
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	3	1.1
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	16	1.1
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	10	1.1
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	10	1.1
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	10	1.1
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	11	1.1
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	11	1.1
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	11	1.1
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	18	1.1
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	18	1.1
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	18	1.1
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	5	1.1
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	15	1.1
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	17	1.1
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	19	1.1
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	20	1.1
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	17	1.1
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	20	1.1
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	3	1.1
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	13	1.1
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	16	1.1
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	19	1.1
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	20	1.1
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	1	1.1
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	3	1.1
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	3	1.1
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	6	1.1
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	16	1.1
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	5	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	8	1.1
(2,926)	1:118:A:LEU:HA	1:118:A:LEU:HG	14	1.1
(2,882)	1:153:A:LEU:HB3	1:153:A:LEU:HA	16	1.1
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	14	1.1
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	1	1.1
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	3	1.1
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	4	1.1
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	6	1.1
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	8	1.1
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	12	1.1
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	14	1.1
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	15	1.1
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	16	1.1
(2,754)	1:156:A:ILE:HG12	1:156:A:ILE:HB	18	1.1
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	7	1.1
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	4	1.1
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	6	1.1
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	12	1.1
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	14	1.1
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	20	1.1
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	12	1.1
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	11	1.1
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	8	1.1
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	10	1.1
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	15	1.1
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	5	1.1
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	6	1.1
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	9	1.1
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	8	1.1
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	12	1.1
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	20	1.1
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	13	1.1
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	6	1.1
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	6	1.1
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	6	1.1
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	5	1.1
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	5	1.1
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	5	1.1
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	9	1.1
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	9	1.1
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	9	1.1
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	17	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	17	1.1
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	17	1.1
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	1	1.1
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	6	1.1
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	19	1.1
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	14	1.1
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	14	1.1
(2,280)	1:130:A:ASN:HA	1:130:A:ASN:HB2	7	1.1
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	11	1.1
(2,247)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	15	1.1
(2,242)	1:138:A:VAL:HG21	1:138:A:VAL:HA	11	1.1
(2,242)	1:138:A:VAL:HG22	1:138:A:VAL:HA	11	1.1
(2,242)	1:138:A:VAL:HG23	1:138:A:VAL:HA	11	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	6	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	6	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	6	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	6	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	6	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	6	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	6	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	6	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	6	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	8	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	8	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	8	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	8	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	8	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	8	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	8	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	8	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	8	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	9	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	9	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	9	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	9	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	9	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	9	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	9	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	9	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	9	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	17	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	17	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	17	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	17	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	17	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	17	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	17	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	17	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	17	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	18	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	18	1.1
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	18	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	18	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	18	1.1
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	18	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	18	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	18	1.1
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	18	1.1
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	11	1.1
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	2	1.1
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	5	1.1
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	5	1.1
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	5	1.1
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	9	1.1
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	9	1.1
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	9	1.1
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	15	1.1
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	15	1.1
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	15	1.1
(2,181)	1:129:A:ASN:HB2	1:129:A:ASN:HA	3	1.1
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	18	1.1
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	20	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	1	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	2	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	3	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	4	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	5	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	6	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	7	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	8	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	9	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	10	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	11	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	12	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	13	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	14	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	16	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	17	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	19	1.1
(2,136)	1:33:A:ASN:HA	1:33:A:ASN:H	20	1.1
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	1	1.1
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	10	1.1
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	1	1.09
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	19	1.09
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	2	1.09
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	19	1.09
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	1	1.09
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	7	1.09
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	9	1.09
(4,1063)	1:80:A:LYS:HD3	1:81:A:THR:H	6	1.09
(4,1053)	1:159:A:ASN:HB2	1:160:A:GLY:H	16	1.09
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	2	1.09
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	3	1.09
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	11	1.09
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	16	1.09
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	17	1.09
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	17	1.09
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	17	1.09
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	13	1.09
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	13	1.09
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	13	1.09
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	13	1.09
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	2	1.09
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	16	1.09
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	2	1.09
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	1	1.09
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	1	1.09
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	1	1.09
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	14	1.09
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	3	1.09
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	3	1.09
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	3	1.09
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	13	1.09
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	13	1.09
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	13	1.09
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	1	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	2	1.09
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	5	1.09
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	8	1.09
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	16	1.09
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	20	1.09
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	5	1.09
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	5	1.09
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	5	1.09
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	15	1.09
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	5	1.09
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	8	1.09
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	10	1.09
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	14	1.09
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	15	1.09
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	18	1.09
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	1	1.09
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	1	1.09
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	1	1.09
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	11	1.09
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	11	1.09
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	17	1.09
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	17	1.09
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	19	1.09
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	19	1.09
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	14	1.09
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	14	1.09
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	18	1.09
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	18	1.09
(3,34)	1:82:A:TYR:HD1	1:82:A:TYR:HB2	14	1.09
(3,34)	1:82:A:TYR:HD2	1:82:A:TYR:HB2	14	1.09
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	16	1.09
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	16	1.09
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	13	1.09
(2,3166)	1:16:A:ASN:H	1:15:A:LEU:HB3	14	1.09
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	19	1.09
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	1	1.09
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	2	1.09
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	3	1.09
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	5	1.09
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	7	1.09
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	8	1.09
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	10	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	13	1.09
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	14	1.09
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	16	1.09
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	19	1.09
(2,3112)	1:22:A:PHE:HA	1:22:A:PHE:HB2	20	1.09
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	8	1.09
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	11	1.09
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	4	1.09
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	4	1.09
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	5	1.09
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	6	1.09
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	7	1.09
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	12	1.09
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	15	1.09
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	17	1.09
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	20	1.09
(2,3018)	1:7:A:TYR:H	1:7:A:TYR:HA	6	1.09
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	19	1.09
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	19	1.09
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	9	1.09
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	13	1.09
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	12	1.09
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	14	1.09
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	3	1.09
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	5	1.09
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	12	1.09
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	2	1.09
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	3	1.09
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	7	1.09
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	19	1.09
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	3	1.09
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	3	1.09
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	3	1.09
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	3	1.09
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	12	1.09
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	14	1.09
(2,2776)	1:99:A:TYR:H	1:98:A:PHE:HA	5	1.09
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	6	1.09
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	20	1.09
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	1	1.09
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	19	1.09
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	3	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	5	1.09
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	7	1.09
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	16	1.09
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	16	1.09
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	16	1.09
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	4	1.09
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	11	1.09
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	18	1.09
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	3	1.09
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	4	1.09
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	5	1.09
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	8	1.09
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	10	1.09
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	14	1.09
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	17	1.09
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	8	1.09
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	10	1.09
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	16	1.09
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	15	1.09
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	10	1.09
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	15	1.09
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	18	1.09
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	19	1.09
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	1	1.09
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	4	1.09
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	5	1.09
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	8	1.09
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	9	1.09
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	17	1.09
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	20	1.09
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	5	1.09
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	5	1.09
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	5	1.09
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	18	1.09
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	18	1.09
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	18	1.09
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	13	1.09
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	9	1.09
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	19	1.09
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	5	1.09
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	14	1.09
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	3	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	2	1.09
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	14	1.09
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	12	1.09
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	1	1.09
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	3	1.09
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	5	1.09
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	6	1.09
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	7	1.09
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	8	1.09
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	9	1.09
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	11	1.09
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	12	1.09
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	14	1.09
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	18	1.09
(2,2409)	1:82:A:TYR:HA	1:82:A:TYR:HB2	19	1.09
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	1	1.09
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	8	1.09
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	4	1.09
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	10	1.09
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	11	1.09
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	12	1.09
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	17	1.09
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	18	1.09
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	8	1.09
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	1	1.09
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	2	1.09
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	3	1.09
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	5	1.09
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	8	1.09
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	10	1.09
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	12	1.09
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	17	1.09
(2,2272)	1:18:A:ILE:HA	1:18:A:ILE:HB	19	1.09
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	4	1.09
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	9	1.09
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	13	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	1	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	2	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	3	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	5	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	7	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	8	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	9	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	10	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	12	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	14	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	15	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	16	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	17	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	18	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	19	1.09
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	20	1.09
(2,2196)	1:110:A:PRO:HD3	1:110:A:PRO:HA	20	1.09
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	19	1.09
(2,2122)	1:25:A:SER:HA	1:25:A:SER:H	20	1.09
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	2	1.09
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	5	1.09
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	7	1.09
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	13	1.09
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	16	1.09
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	19	1.09
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	20	1.09
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	8	1.09
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	14	1.09
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	15	1.09
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	8	1.09
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	14	1.09
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	15	1.09
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	16	1.09
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	7	1.09
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	13	1.09
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	16	1.09
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	14	1.09
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	17	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	1	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	2	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	3	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	4	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	5	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	6	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	7	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	8	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	9	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	10	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	11	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	12	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	13	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	14	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	15	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	17	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	18	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	19	1.09
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	20	1.09
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	7	1.09
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	8	1.09
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	5	1.09
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	17	1.09
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	11	1.09
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	7	1.09
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	8	1.09
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	1	1.09
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	4	1.09
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	6	1.09
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	7	1.09
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	11	1.09
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	14	1.09
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	15	1.09
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	17	1.09
(2,1695)	1:158:A:PRO:HB2	1:158:A:PRO:HA	20	1.09
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	5	1.09
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	5	1.09
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	5	1.09
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	13	1.09
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	13	1.09
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	13	1.09
(2,1681)	1:65:A:ILE:HG21	1:65:A:ILE:H	17	1.09
(2,1681)	1:65:A:ILE:HG22	1:65:A:ILE:H	17	1.09
(2,1681)	1:65:A:ILE:HG23	1:65:A:ILE:H	17	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	1	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	3	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	4	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	6	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	7	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	8	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	9	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	10	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	12	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	13	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	14	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	15	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	16	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	17	1.09
(2,1653)	1:52:A:PRO:HG2	1:52:A:PRO:HB2	18	1.09
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	20	1.09
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	12	1.09
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	20	1.09
(2,1619)	1:72:A:LEU:HB2	1:80:A:LYS:H	3	1.09
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	4	1.09
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	4	1.09
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	4	1.09
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	11	1.09
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	11	1.09
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	11	1.09
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	16	1.09
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	16	1.09
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	16	1.09
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	18	1.09
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	18	1.09
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	18	1.09
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	17	1.09
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	12	1.09
(2,1544)	1:148:A:LYS:H	1:147:A:ASN:HB2	20	1.09
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	3	1.09
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	3	1.09
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	3	1.09
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	13	1.09
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	19	1.09
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	6	1.09
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	1	1.09
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	2	1.09
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	4	1.09
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	11	1.09
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	12	1.09
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	13	1.09
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	14	1.09
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	16	1.09
(2,1404)	1:164:A:THR:HB	1:164:A:THR:HA	18	1.09
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	18	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	15	1.09
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	19	1.09
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	1	1.09
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	7	1.09
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	18	1.09
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	20	1.09
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	4	1.09
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	13	1.09
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	7	1.09
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	9	1.09
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	18	1.09
(2,1123)	1:30:A:LEU:HG	1:30:A:LEU:H	12	1.09
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	13	1.09
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	6	1.09
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	15	1.09
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	1	1.09
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	1	1.09
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	1	1.09
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	4	1.09
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	6	1.09
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	9	1.09
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	15	1.09
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	7	1.09
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	12	1.09
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	4	1.09
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	16	1.09
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	20	1.09
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	9	1.09
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	11	1.09
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	13	1.09
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	4	1.09
(2,953)	1:97:A:GLU:H	1:97:A:GLU:HG2	8	1.09
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	8	1.09
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	10	1.09
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	4	1.09
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	9	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	1	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	2	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	3	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	5	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	7	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	8	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	9	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	10	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	11	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	13	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	15	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	16	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	18	1.09
(2,716)	1:151:A:ILE:HG13	1:151:A:ILE:HB	19	1.09
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	12	1.09
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	4	1.09
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	5	1.09
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	7	1.09
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	1	1.09
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	13	1.09
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	20	1.09
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	2	1.09
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	2	1.09
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	2	1.09
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	5	1.09
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	5	1.09
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	5	1.09
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	12	1.09
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	10	1.09
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	11	1.09
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	14	1.09
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	19	1.09
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	1	1.09
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	6	1.09
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	7	1.09
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	9	1.09
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	13	1.09
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	15	1.09
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	20	1.09
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	5	1.09
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	9	1.09
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	10	1.09
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	11	1.09
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	13	1.09
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	15	1.09
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	19	1.09
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	13	1.09
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	13	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	13	1.09
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	12	1.09
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	3	1.09
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	9	1.09
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	13	1.09
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	14	1.09
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	8	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	1	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	1	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	1	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	1	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	1	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	1	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	1	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	1	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	1	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	2	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	2	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	2	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	2	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	2	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	2	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	2	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	2	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	2	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	3	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	3	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	3	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	3	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	3	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	3	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	3	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	3	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	3	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	4	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	4	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	4	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	4	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	4	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	4	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	4	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	4	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	4	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	5	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	5	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	5	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	5	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	5	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	5	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	5	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	5	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	5	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	7	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	7	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	7	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	7	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	7	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	7	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	7	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	7	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	7	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	11	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	11	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	11	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	11	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	11	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	11	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	11	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	11	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	11	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	12	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	12	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	12	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	12	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	12	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	12	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	12	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	12	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	12	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	13	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	13	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	13	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	13	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	13	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	13	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	13	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	13	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	13	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	14	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	14	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	14	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	14	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	14	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	14	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	14	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	14	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	14	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	15	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	15	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	15	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	15	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	15	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	15	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	15	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	15	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	15	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	16	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	16	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	16	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	16	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	16	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	16	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	16	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	16	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	16	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	19	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	19	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	19	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	19	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	19	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	19	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	19	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	19	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	19	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	20	1.09
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	20	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	20	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	20	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	20	1.09
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	20	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	20	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	20	1.09
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	20	1.09
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	16	1.09
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	16	1.09
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	16	1.09
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	6	1.09
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	2	1.09
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	5	1.09
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	9	1.09
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	12	1.09
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	18	1.09
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	19	1.09
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	20	1.09
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	9	1.09
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	13	1.09
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	8	1.09
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	3	1.09
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	9	1.09
(1,7)	1:123:A:TYR:HE1	1:122:A:HIS:HB2	7	1.09
(1,7)	1:123:A:TYR:HE2	1:122:A:HIS:HB2	7	1.09
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	2	1.08
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	2	1.08
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	2	1.08
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	17	1.08
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	17	1.08
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	17	1.08
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	8	1.08
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	8	1.08
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	8	1.08
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	13	1.08
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	17	1.08
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	5	1.08
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	17	1.08
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	6	1.08
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	20	1.08
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	20	1.08
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	20	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	11	1.08
(4,740)	1:88:A:LYS:HG3	1:88:A:LYS:H	13	1.08
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	5	1.08
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	5	1.08
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	5	1.08
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	13	1.08
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	5	1.08
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	5	1.08
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	5	1.08
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	11	1.08
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	17	1.08
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	17	1.08
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	17	1.08
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	4	1.08
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	4	1.08
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	4	1.08
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	6	1.08
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	6	1.08
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	6	1.08
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	14	1.08
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	14	1.08
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	14	1.08
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	7	1.08
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	3	1.08
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	10	1.08
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	20	1.08
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	3	1.08
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	6	1.08
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	7	1.08
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	9	1.08
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	11	1.08
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	13	1.08
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	16	1.08
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	20	1.08
(4,50)	1:56:A:THR:H	1:56:A:THR:HG21	13	1.08
(4,50)	1:56:A:THR:H	1:56:A:THR:HG22	13	1.08
(4,50)	1:56:A:THR:H	1:56:A:THR:HG23	13	1.08
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	5	1.08
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	16	1.08
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD1	5	1.08
(3,78)	1:98:A:PHE:HB2	1:98:A:PHE:HD2	5	1.08
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	2	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	10	1.08
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	11	1.08
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	2	1.08
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	20	1.08
(2,3098)	1:88:A:LYS:HB3	1:88:A:LYS:H	6	1.08
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	7	1.08
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	5	1.08
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	1	1.08
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	2	1.08
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	3	1.08
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	8	1.08
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	9	1.08
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	11	1.08
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	13	1.08
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	14	1.08
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	18	1.08
(2,3057)	1:95:A:THR:H	1:95:A:THR:HA	19	1.08
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	8	1.08
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	4	1.08
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	16	1.08
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	20	1.08
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	9	1.08
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	11	1.08
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	12	1.08
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	13	1.08
(2,2984)	1:6:A:THR:HA	1:6:A:THR:HB	4	1.08
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	11	1.08
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	13	1.08
(2,2881)	1:115:A:TRP:HB2	1:115:A:TRP:HD1	6	1.08
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	1	1.08
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	9	1.08
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	17	1.08
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	18	1.08
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	6	1.08
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	6	1.08
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	8	1.08
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	18	1.08
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	17	1.08
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	18	1.08
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	16	1.08
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	3	1.08
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	12	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	7	1.08
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	17	1.08
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	20	1.08
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	5	1.08
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	5	1.08
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	5	1.08
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	1	1.08
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	7	1.08
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	15	1.08
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	20	1.08
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	14	1.08
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	20	1.08
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	6	1.08
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	2	1.08
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	9	1.08
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	12	1.08
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	17	1.08
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	2	1.08
(2,2618)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	17	1.08
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	4	1.08
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	11	1.08
(2,2596)	1:90:A:LEU:HA	1:90:A:LEU:HB3	16	1.08
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	14	1.08
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	4	1.08
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	9	1.08
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	13	1.08
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	15	1.08
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	18	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	1	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	3	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	4	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	5	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	6	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	7	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	8	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	13	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	14	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	15	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	17	1.08
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	18	1.08
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	7	1.08
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	20	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	5	1.08
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	7	1.08
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	15	1.08
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	19	1.08
(2,2395)	1:46:A:ILE:HA	1:47:A:VAL:H	20	1.08
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	15	1.08
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	13	1.08
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	3	1.08
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	5	1.08
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	1	1.08
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	14	1.08
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	4	1.08
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	6	1.08
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	11	1.08
(2,2239)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	13	1.08
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	11	1.08
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	11	1.08
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	11	1.08
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	9	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	1	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	3	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	4	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	6	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	8	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	9	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	10	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	11	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	12	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	14	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	15	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	17	1.08
(2,2117)	1:23:A:ARG:HD2	1:23:A:ARG:HD3	18	1.08
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	4	1.08
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	4	1.08
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	4	1.08
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	4	1.08
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	4	1.08
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	4	1.08
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	4	1.08
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	4	1.08
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	4	1.08
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	15	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	15	1.08
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	15	1.08
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	15	1.08
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	15	1.08
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	15	1.08
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	15	1.08
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	15	1.08
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	15	1.08
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	3	1.08
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	1	1.08
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	19	1.08
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	11	1.08
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	1	1.08
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	3	1.08
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	8	1.08
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	11	1.08
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	11	1.08
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	11	1.08
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	11	1.08
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	8	1.08
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	19	1.08
(2,1818)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	16	1.08
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	10	1.08
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	13	1.08
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	10	1.08
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	19	1.08
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	1	1.08
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	1	1.08
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	3	1.08
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	13	1.08
(2,1621)	1:54:A:PRO:HB2	1:55:A:TYR:H	19	1.08
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	11	1.08
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	7	1.08
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	7	1.08
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	7	1.08
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	20	1.08
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	20	1.08
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	20	1.08
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	5	1.08
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	6	1.08
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	5	1.08
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	14	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	16	1.08
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	20	1.08
(2,1429)	1:104:A:GLN:HG3	1:104:A:GLN:HA	18	1.08
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	13	1.08
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	1	1.08
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	13	1.08
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	5	1.08
(2,1240)	1:83:A:PRO:HG3	1:83:A:PRO:HD2	12	1.08
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	9	1.08
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	11	1.08
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	12	1.08
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	16	1.08
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	12	1.08
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	5	1.08
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	6	1.08
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	3	1.08
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	3	1.08
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	3	1.08
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	3	1.08
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	19	1.08
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	9	1.08
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	10	1.08
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	20	1.08
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	5	1.08
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	10	1.08
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	12	1.08
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	17	1.08
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	19	1.08
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	1	1.08
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	4	1.08
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	10	1.08
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	13	1.08
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	18	1.08
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	4	1.08
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	4	1.08
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	8	1.08
(2,961)	1:88:A:LYS:HA	1:89:A:ILE:H	5	1.08
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	14	1.08
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	14	1.08
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	4	1.08
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	11	1.08
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	17	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	13	1.08
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	13	1.08
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	13	1.08
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	8	1.08
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	8	1.08
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	9	1.08
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	14	1.08
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	15	1.08
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	16	1.08
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	20	1.08
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	10	1.08
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	18	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	1	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	2	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	3	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	4	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	5	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	6	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	10	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	11	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	12	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	13	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	14	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	16	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	17	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	18	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	19	1.08
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	20	1.08
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	13	1.08
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	1	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	1	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	1	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	1	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	3	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	3	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	3	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	8	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	8	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	8	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	15	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	15	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	15	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	18	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	18	1.08
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	18	1.08
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	19	1.08
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	6	1.08
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	1	1.08
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	6	1.08
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	8	1.08
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	11	1.08
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	18	1.08
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	7	1.08
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	12	1.08
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	16	1.08
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	18	1.08
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	3	1.08
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	4	1.08
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	5	1.08
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	10	1.08
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	11	1.08
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	14	1.08
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	16	1.08
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	17	1.08
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	18	1.08
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	19	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	1	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	2	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	3	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	4	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	6	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	7	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	8	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	12	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	14	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	16	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	17	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	18	1.08
(2,500)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	20	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	1	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	2	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	3	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	4	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	6	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	7	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	8	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	9	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	10	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	12	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	13	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	14	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	15	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	17	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	18	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	19	1.08
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	20	1.08
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	15	1.08
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	15	1.08
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	15	1.08
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	5	1.08
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	8	1.08
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	15	1.08
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	17	1.08
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	1	1.08
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	1	1.08
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	1	1.08
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	11	1.08
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	11	1.08
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	11	1.08
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	18	1.08
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	18	1.08
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	18	1.08
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	19	1.08
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	19	1.08
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	19	1.08
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	8	1.08
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	1	1.08
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	4	1.08
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	14	1.08
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	15	1.08
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	17	1.08
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	19	1.08
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	5	1.08
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	3	1.08
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	4	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	6	1.08
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	8	1.08
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	13	1.08
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	15	1.08
(2,122)	1:68:A:LYS:HD2	1:68:A:LYS:HG2	16	1.08
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	9	1.08
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	12	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	2	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	3	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	4	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	5	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	6	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	7	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	8	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	9	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	10	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	12	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	13	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	14	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	15	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	16	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	17	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	19	1.08
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	20	1.08
(1,11)	1:138:A:VAL:HG11	1:87:A:GLY:HA2	2	1.08
(1,11)	1:138:A:VAL:HG12	1:87:A:GLY:HA2	2	1.08
(1,11)	1:138:A:VAL:HG13	1:87:A:GLY:HA2	2	1.08
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	11	1.07
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	5	1.07
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	5	1.07
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	5	1.07
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	7	1.07
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	7	1.07
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	7	1.07
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	18	1.07
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	3	1.07
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	14	1.07
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	18	1.07
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	5	1.07
(4,1063)	1:80:A:LYS:HD3	1:81:A:THR:H	2	1.07
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	13	1.07
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	17	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	20	1.07
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	20	1.07
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	20	1.07
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	8	1.07
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	8	1.07
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	8	1.07
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	10	1.07
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	10	1.07
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	10	1.07
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	15	1.07
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	15	1.07
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	15	1.07
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	9	1.07
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	11	1.07
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	11	1.07
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	11	1.07
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	20	1.07
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	20	1.07
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	20	1.07
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	17	1.07
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	19	1.07
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	2	1.07
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	10	1.07
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	19	1.07
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	3	1.07
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	1	1.07
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	6	1.07
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	20	1.07
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	20	1.07
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	12	1.07
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	1	1.07
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	1	1.07
(2,3086)	1:16:A:ASN:H	1:16:A:ASN:HB2	20	1.07
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	2	1.07
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	11	1.07
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	3	1.07
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	19	1.07
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	17	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	1	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	2	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	3	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	4	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	5	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	6	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	7	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	8	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	9	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	10	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	12	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	14	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	15	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	16	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	17	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	18	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	19	1.07
(2,2932)	1:9:A:VAL:HB	1:9:A:VAL:HA	20	1.07
(2,2888)	1:125:A:ILE:HD11	1:125:A:ILE:HA	12	1.07
(2,2888)	1:125:A:ILE:HD12	1:125:A:ILE:HA	12	1.07
(2,2888)	1:125:A:ILE:HD13	1:125:A:ILE:HA	12	1.07
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	11	1.07
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	11	1.07
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	1	1.07
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	4	1.07
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	6	1.07
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	8	1.07
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	10	1.07
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	13	1.07
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	14	1.07
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	15	1.07
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	17	1.07
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	18	1.07
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	20	1.07
(2,2800)	1:106:A:ASN:H	1:105:A:ARG:HA	11	1.07
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	15	1.07
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	20	1.07
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	7	1.07
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	9	1.07
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	3	1.07
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	7	1.07
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	9	1.07
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	20	1.07
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	5	1.07
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	6	1.07
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	15	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	18	1.07
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	11	1.07
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	6	1.07
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	13	1.07
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	6	1.07
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	20	1.07
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	7	1.07
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	16	1.07
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	16	1.07
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	16	1.07
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	17	1.07
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	17	1.07
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	17	1.07
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	11	1.07
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	11	1.07
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	11	1.07
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	5	1.07
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	15	1.07
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	10	1.07
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	2	1.07
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	10	1.07
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	11	1.07
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	12	1.07
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	16	1.07
(2,2497)	1:97:A:GLU:HG2	1:97:A:GLU:HG3	20	1.07
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	17	1.07
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	19	1.07
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	5	1.07
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	1	1.07
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	3	1.07
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	16	1.07
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	16	1.07
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	1	1.07
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	10	1.07
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	13	1.07
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	1	1.07
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	3	1.07
(2,2369)	1:158:A:PRO:HD3	1:158:A:PRO:HB3	6	1.07
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD11	17	1.07
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD12	17	1.07
(2,2304)	1:151:A:ILE:HA	1:151:A:ILE:HD13	17	1.07
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	13	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	6	1.07
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	8	1.07
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	16	1.07
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	1	1.07
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	1	1.07
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	1	1.07
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	2	1.07
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	2	1.07
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	2	1.07
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	5	1.07
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	5	1.07
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	5	1.07
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	7	1.07
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	7	1.07
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	7	1.07
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	8	1.07
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	8	1.07
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	8	1.07
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	10	1.07
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	10	1.07
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	10	1.07
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	15	1.07
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	15	1.07
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	15	1.07
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	17	1.07
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	17	1.07
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	17	1.07
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	19	1.07
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	19	1.07
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	19	1.07
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	20	1.07
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	20	1.07
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	20	1.07
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	11	1.07
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	11	1.07
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	11	1.07
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	11	1.07
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	17	1.07
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	17	1.07
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	17	1.07
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	14	1.07
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	4	1.07
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	5	1.07
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	6	1.07
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	13	1.07
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	19	1.07
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	2	1.07
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	6	1.07
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	8	1.07
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	18	1.07
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	15	1.07
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	10	1.07
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	10	1.07
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	10	1.07
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	14	1.07
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	14	1.07
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	14	1.07
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	3	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	1	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	2	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	3	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	4	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	5	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	6	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	7	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	8	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	9	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	10	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	11	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	12	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	13	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	14	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	15	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	16	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	17	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	18	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	19	1.07
(2,2110)	1:48:A:ILE:HB	1:48:A:ILE:HA	20	1.07
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE1	11	1.07
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE2	11	1.07
(2,2056)	1:79:A:MET:H	1:79:A:MET:HE3	11	1.07
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	1	1.07
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	13	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	17	1.07
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	13	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	5	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	5	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	5	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	5	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	5	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	5	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	5	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	5	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	5	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	7	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	7	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	7	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	7	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	7	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	7	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	7	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	7	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	7	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	8	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	8	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	8	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	8	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	8	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	8	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	8	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	8	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	8	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	11	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	11	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	11	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	11	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	11	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	11	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	11	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	11	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	11	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	12	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	12	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	12	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	12	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	12	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	12	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	12	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	12	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	12	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	13	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	13	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	13	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	13	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	13	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	13	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	13	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	13	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	13	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	14	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	14	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	14	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	14	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	14	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	14	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	14	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	14	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	14	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	17	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	17	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	17	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	17	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	17	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	17	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	17	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	17	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	17	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	18	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	18	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	18	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	18	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	18	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	18	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	18	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	18	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	18	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	19	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	19	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	19	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	19	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	19	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	19	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	19	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	19	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	19	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	20	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	20	1.07
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	20	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	20	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	20	1.07
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	20	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	20	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	20	1.07
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	20	1.07
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	7	1.07
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	10	1.07
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	18	1.07
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	10	1.07
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	17	1.07
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	19	1.07
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	10	1.07
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	11	1.07
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	12	1.07
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	10	1.07
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	17	1.07
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	18	1.07
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	19	1.07
(2,1923)	1:77:A:ARG:HG2	1:77:A:ARG:HA	4	1.07
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	8	1.07
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	9	1.07
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	16	1.07
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	7	1.07
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	11	1.07
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	12	1.07
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	15	1.07
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	18	1.07
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	20	1.07
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	9	1.07
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	18	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	16	1.07
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	20	1.07
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	2	1.07
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	4	1.07
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	6	1.07
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	8	1.07
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	9	1.07
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	12	1.07
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	13	1.07
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	14	1.07
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	15	1.07
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	17	1.07
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	9	1.07
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	9	1.07
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	9	1.07
(2,1595)	1:57:A:ILE:H	1:56:A:THR:HB	11	1.07
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	3	1.07
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	12	1.07
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	16	1.07
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	19	1.07
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	11	1.07
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	11	1.07
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	11	1.07
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	13	1.07
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	11	1.07
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	12	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	2	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	3	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	4	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	6	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	7	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	8	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	9	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	10	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	11	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	12	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	13	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	14	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	15	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	16	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	17	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	18	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	19	1.07
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	20	1.07
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	5	1.07
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	7	1.07
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	8	1.07
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	17	1.07
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	19	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	1	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	2	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	3	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	4	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	5	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	6	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	7	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	8	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	9	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	10	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	11	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	12	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	13	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	14	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	15	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	16	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	17	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	18	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	19	1.07
(2,1343)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	20	1.07
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	20	1.07
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	13	1.07
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	15	1.07
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	2	1.07
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	6	1.07
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	15	1.07
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	12	1.07
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	14	1.07
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	19	1.07
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	11	1.07
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	4	1.07
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	3	1.07
(2,1134)	1:152:A:GLU:HG3	1:152:A:GLU:HB2	14	1.07
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	7	1.07
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	7	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	7	1.07
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	8	1.07
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	8	1.07
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	8	1.07
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	11	1.07
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	11	1.07
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	11	1.07
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	12	1.07
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	12	1.07
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	12	1.07
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	13	1.07
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	13	1.07
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	13	1.07
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	15	1.07
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	15	1.07
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	15	1.07
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	16	1.07
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	16	1.07
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	16	1.07
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	14	1.07
(2,1099)	1:18:A:ILE:HB	1:19:A:ALA:H	18	1.07
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	8	1.07
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	8	1.07
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	8	1.07
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	1	1.07
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	2	1.07
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	3	1.07
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	7	1.07
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	8	1.07
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	2	1.07
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	6	1.07
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	11	1.07
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	12	1.07
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	1	1.07
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	2	1.07
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	7	1.07
(2,1032)	1:34:A:PRO:HA	1:35:A:SER:H	12	1.07
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	8	1.07
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	8	1.07
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	8	1.07
(2,930)	1:23:A:ARG:HD3	1:24:A:ILE:H	20	1.07
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	5	1.07
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	6	1.07
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	15	1.07
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	17	1.07
(2,896)	1:60:A:HIS:HB2	1:60:A:HIS:HA	18	1.07
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	3	1.07
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	3	1.07
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	3	1.07
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	14	1.07
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	14	1.07
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	14	1.07
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	18	1.07
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	6	1.07
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	9	1.07
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	3	1.07
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	4	1.07
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	8	1.07
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	9	1.07
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	16	1.07
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	6	1.07
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	17	1.07
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	13	1.07
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	13	1.07
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	13	1.07
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	20	1.07
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	20	1.07
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	20	1.07
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	2	1.07
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	6	1.07
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	7	1.07
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	8	1.07
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	9	1.07
(2,607)	1:61:A:ILE:HA	1:61:A:ILE:HB	15	1.07
(2,565)	1:86:A:VAL:HG11	1:86:A:VAL:HA	2	1.07
(2,565)	1:86:A:VAL:HG12	1:86:A:VAL:HA	2	1.07
(2,565)	1:86:A:VAL:HG13	1:86:A:VAL:HA	2	1.07
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	7	1.07
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	7	1.07
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	7	1.07
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	12	1.07
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	12	1.07
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	12	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	1	1.07
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	5	1.07
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	3	1.07
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	7	1.07
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	14	1.07
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	20	1.07
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	3	1.07
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	4	1.07
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	5	1.07
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	7	1.07
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	9	1.07
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	10	1.07
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	12	1.07
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	15	1.07
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	17	1.07
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	19	1.07
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	4	1.07
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	8	1.07
(2,530)	1:140:A:LYS:HA	1:140:A:LYS:HB3	13	1.07
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	16	1.07
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	20	1.07
(2,512)	1:148:A:LYS:H	1:148:A:LYS:HB3	8	1.07
(2,511)	1:91:A:THR:HA	1:91:A:THR:H	2	1.07
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	11	1.07
(2,480)	1:105:A:ARG:HG2	1:105:A:ARG:HG3	16	1.07
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	11	1.07
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	11	1.07
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	11	1.07
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	9	1.07
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	18	1.07
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	6	1.07
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	6	1.07
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	6	1.07
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	4	1.07
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	14	1.07
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	2	1.07
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	7	1.07
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	6	1.07
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD21	10	1.07
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD22	10	1.07
(2,237)	1:5:A:LEU:HD11	1:5:A:LEU:HD23	10	1.07
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD21	10	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD22	10	1.07
(2,237)	1:5:A:LEU:HD12	1:5:A:LEU:HD23	10	1.07
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD21	10	1.07
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD22	10	1.07
(2,237)	1:5:A:LEU:HD13	1:5:A:LEU:HD23	10	1.07
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	7	1.07
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	20	1.07
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	4	1.07
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	4	1.07
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	4	1.07
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	7	1.07
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	7	1.07
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	7	1.07
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	8	1.07
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	8	1.07
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	8	1.07
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	10	1.07
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	10	1.07
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	10	1.07
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	14	1.07
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	14	1.07
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	14	1.07
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	20	1.07
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	20	1.07
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	20	1.07
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	1	1.07
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	3	1.07
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	8	1.07
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	9	1.07
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	10	1.07
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	13	1.07
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD1	19	1.07
(2,161)	1:111:A:PHE:HA	1:111:A:PHE:HD2	19	1.07
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	8	1.07
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	4	1.07
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	1	1.07
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	11	1.07
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	4	1.06
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	7	1.06
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	5	1.06
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	5	1.06
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	5	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1322)	1:166:A:ASN:H	1:166:A:ASN:HD21	15	1.06
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	4	1.06
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	12	1.06
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	12	1.06
(4,1066)	1:97:A:GLU:H	1:97:A:GLU:HG2	9	1.06
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	6	1.06
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	20	1.06
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	4	1.06
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	4	1.06
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	4	1.06
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	6	1.06
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	6	1.06
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	6	1.06
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	17	1.06
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	16	1.06
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	16	1.06
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	16	1.06
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	18	1.06
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	18	1.06
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	18	1.06
(4,545)	1:147:A:ASN:HD21	1:147:A:ASN:H	13	1.06
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	3	1.06
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	1	1.06
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	1	1.06
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	1	1.06
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	14	1.06
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	17	1.06
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	13	1.06
(4,91)	1:65:A:ILE:HG12	1:65:A:ILE:H	17	1.06
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	5	1.06
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	1	1.06
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	6	1.06
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	9	1.06
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	2	1.06
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	2	1.06
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	2	1.06
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	3	1.06
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	3	1.06
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	3	1.06
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	13	1.06
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	13	1.06
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	8	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	8	1.06
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	11	1.06
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	6	1.06
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	10	1.06
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	3	1.06
(2,3006)	1:113:A:ALA:H	1:113:A:ALA:HA	17	1.06
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	10	1.06
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	11	1.06
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	11	1.06
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	17	1.06
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	20	1.06
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	20	1.06
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	20	1.06
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	13	1.06
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	2	1.06
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	7	1.06
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	9	1.06
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	13	1.06
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	18	1.06
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	2	1.06
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	7	1.06
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	20	1.06
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	11	1.06
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	8	1.06
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	11	1.06
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	12	1.06
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	8	1.06
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	2	1.06
(2,2684)	1:87:A:GLY:HA2	1:87:A:GLY:H	18	1.06
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	19	1.06
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	6	1.06
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	6	1.06
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	6	1.06
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	14	1.06
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	14	1.06
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	14	1.06
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	16	1.06
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	16	1.06
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	16	1.06
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	7	1.06
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	4	1.06
(2,2620)	1:80:A:LYS:HB2	1:80:A:LYS:HG2	18	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	10	1.06
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	10	1.06
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	10	1.06
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	16	1.06
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	16	1.06
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	16	1.06
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	4	1.06
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	7	1.06
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	3	1.06
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	5	1.06
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	10	1.06
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	17	1.06
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	20	1.06
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	17	1.06
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	2	1.06
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	3	1.06
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	10	1.06
(2,2452)	1:80:A:LYS:HB3	1:80:A:LYS:HA	14	1.06
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	4	1.06
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	13	1.06
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	3	1.06
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	4	1.06
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	6	1.06
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	7	1.06
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	8	1.06
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	9	1.06
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	11	1.06
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	15	1.06
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	18	1.06
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	15	1.06
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	2	1.06
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	9	1.06
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	11	1.06
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	12	1.06
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	2	1.06
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	3	1.06
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	10	1.06
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	18	1.06
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	3	1.06
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	3	1.06
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	3	1.06
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	4	1.06
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	4	1.06
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	6	1.06
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	6	1.06
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	6	1.06
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	9	1.06
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	9	1.06
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	9	1.06
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	12	1.06
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	12	1.06
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	12	1.06
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	13	1.06
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	13	1.06
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	13	1.06
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	14	1.06
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	14	1.06
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	14	1.06
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	16	1.06
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	16	1.06
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	16	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	2	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	2	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	2	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	3	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	3	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	3	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	5	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	5	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	5	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	6	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	6	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	6	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	7	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	7	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	7	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	8	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	8	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	8	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	9	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	9	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	9	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	10	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	10	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	10	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	12	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	12	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	12	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	13	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	13	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	13	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	14	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	14	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	14	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	15	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	15	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	15	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	18	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	18	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	18	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	19	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	19	1.06
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	19	1.06
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	3	1.06
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	20	1.06
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	7	1.06
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	10	1.06
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	12	1.06
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	16	1.06
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	20	1.06
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	6	1.06
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	7	1.06
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	20	1.06
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	10	1.06
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	11	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	3	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	3	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	3	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	3	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	3	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	3	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	3	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	3	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	3	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	6	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	6	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	6	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	6	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	6	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	6	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	6	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	6	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	6	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	9	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	9	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	9	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	9	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	9	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	9	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	9	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	9	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	9	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	10	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	10	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	10	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	10	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	10	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	10	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	10	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	10	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	10	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	16	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	16	1.06
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	16	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	16	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	16	1.06
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	16	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	16	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	16	1.06
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	16	1.06
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	1	1.06
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	4	1.06
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	15	1.06
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	18	1.06
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	9	1.06
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	9	1.06
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	9	1.06
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	1	1.06
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	2	1.06
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	3	1.06
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	4	1.06
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	7	1.06
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	8	1.06
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	9	1.06
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	12	1.06
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	15	1.06
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	16	1.06
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	11	1.06
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	8	1.06
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	13	1.06
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	4	1.06
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	6	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	2	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	3	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	4	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	5	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	6	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	7	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	8	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	9	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	10	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	11	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	12	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	14	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	15	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	16	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	17	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	19	1.06
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	20	1.06
(2,1814)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	20	1.06
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	16	1.06
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	1	1.06
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	6	1.06
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	8	1.06
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	11	1.06
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	11	1.06
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	11	1.06
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	2	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	1	1.06
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	3	1.06
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	5	1.06
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	7	1.06
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	10	1.06
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	11	1.06
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	16	1.06
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	18	1.06
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	19	1.06
(2,1680)	1:80:A:LYS:HD2	1:80:A:LYS:HD3	20	1.06
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	13	1.06
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	6	1.06
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	6	1.06
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	6	1.06
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	13	1.06
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	13	1.06
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	13	1.06
(2,1617)	1:26:A:THR:HG21	1:27:A:ALA:H	20	1.06
(2,1617)	1:26:A:THR:HG22	1:27:A:ALA:H	20	1.06
(2,1617)	1:26:A:THR:HG23	1:27:A:ALA:H	20	1.06
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	7	1.06
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	20	1.06
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	1	1.06
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	4	1.06
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	5	1.06
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	6	1.06
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	7	1.06
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	8	1.06
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	10	1.06
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	13	1.06
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	17	1.06
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	18	1.06
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	1	1.06
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	1	1.06
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	1	1.06
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	13	1.06
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	13	1.06
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	13	1.06
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	19	1.06
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	19	1.06
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	19	1.06
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	1	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	2	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	3	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	4	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	5	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	6	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	7	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	8	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	9	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	10	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	13	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	14	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	16	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	17	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	18	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	19	1.06
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	20	1.06
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	1	1.06
(2,1395)	1:18:A:ILE:HA	1:18:A:ILE:HB	5	1.06
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	1	1.06
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	2	1.06
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	3	1.06
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	4	1.06
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	12	1.06
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	13	1.06
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	15	1.06
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	16	1.06
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	14	1.06
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	16	1.06
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	19	1.06
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	6	1.06
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	17	1.06
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	2	1.06
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	3	1.06
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	20	1.06
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	8	1.06
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	10	1.06
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	14	1.06
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	17	1.06
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	9	1.06
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	12	1.06
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	3	1.06
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	9	1.06
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	16	1.06
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	4	1.06
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	15	1.06
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	20	1.06
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	6	1.06
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	9	1.06
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	17	1.06
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	3	1.06
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	7	1.06
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	5	1.06
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	5	1.06
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	5	1.06
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	13	1.06
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	13	1.06
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	13	1.06
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	16	1.06
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	16	1.06
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	16	1.06
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	20	1.06
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	20	1.06
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	20	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	1	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	1	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	1	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	7	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	7	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	7	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	9	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	9	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	9	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	14	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	14	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	14	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	15	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	15	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	15	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	18	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	18	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	18	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	19	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	19	1.06
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	19	1.06
(2,777)	1:15:A:LEU:HD11	1:15:A:LEU:H	6	1.06
(2,777)	1:15:A:LEU:HD12	1:15:A:LEU:H	6	1.06
(2,777)	1:15:A:LEU:HD13	1:15:A:LEU:H	6	1.06
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	14	1.06
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	12	1.06
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	7	1.06
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	1	1.06
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	10	1.06
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	5	1.06
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	7	1.06
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	4	1.06
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	7	1.06
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	11	1.06
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	18	1.06
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	19	1.06
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	10	1.06
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	10	1.06
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	10	1.06
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	14	1.06
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	14	1.06
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	14	1.06
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	1	1.06
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	8	1.06
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	10	1.06
(2,578)	1:55:A:TYR:HA	1:55:A:TYR:HB3	6	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	4	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	4	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	4	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	6	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	6	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	6	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	14	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	14	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	14	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	16	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	16	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	16	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	20	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	20	1.06
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	20	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	2	1.06
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	1	1.06
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	4	1.06
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	10	1.06
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	11	1.06
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	12	1.06
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	16	1.06
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	18	1.06
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	17	1.06
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	2	1.06
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	13	1.06
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	14	1.06
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	16	1.06
(2,532)	1:21:A:ASP:HA	1:21:A:ASP:H	20	1.06
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	2	1.06
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	17	1.06
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	18	1.06
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	6	1.06
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	2	1.06
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	12	1.06
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	9	1.06
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	15	1.06
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	20	1.06
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	1	1.06
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	12	1.06
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	5	1.06
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	20	1.06
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	10	1.06
(2,271)	1:72:A:LEU:HB2	1:72:A:LEU:H	11	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	1	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	2	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	3	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	4	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	5	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	6	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	8	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	9	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	10	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	11	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	12	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	13	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	15	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	16	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	17	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	18	1.06
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	19	1.06
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	17	1.06
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	2	1.06
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	5	1.06
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	7	1.06
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	12	1.06
(2,179)	1:25:A:SER:HA	1:26:A:THR:H	16	1.06
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	4	1.06
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	6	1.06
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	20	1.06
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	5	1.06
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	6	1.06
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	16	1.06
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	13	1.06
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	5	1.06
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG21	3	1.05
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG22	3	1.05
(4,1405)	1:135:A:GLY:H	1:134:A:ILE:HG23	3	1.05
(4,1398)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	6	1.05
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	12	1.05
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	12	1.05
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	12	1.05
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	14	1.05
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	16	1.05
(4,1302)	1:143:A:ILE:HG13	1:143:A:ILE:H	9	1.05
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	15	1.05
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	16	1.05
(4,1197)	1:113:A:ALA:HB1	1:114:A:TYR:H	4	1.05
(4,1197)	1:113:A:ALA:HB2	1:114:A:TYR:H	4	1.05
(4,1197)	1:113:A:ALA:HB3	1:114:A:TYR:H	4	1.05
(4,1128)	1:142:A:CYS:HB3	1:142:A:CYS:H	2	1.05
(4,1063)	1:80:A:LYS:HD3	1:81:A:THR:H	9	1.05
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	14	1.05
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	15	1.05
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	10	1.05
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	14	1.05
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	14	1.05
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	14	1.05
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	4	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	4	1.05
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	4	1.05
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	17	1.05
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	17	1.05
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	17	1.05
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	2	1.05
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	2	1.05
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	2	1.05
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	10	1.05
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	10	1.05
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	10	1.05
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	19	1.05
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	19	1.05
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	19	1.05
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	5	1.05
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	4	1.05
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	19	1.05
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	19	1.05
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	19	1.05
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	20	1.05
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	19	1.05
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	19	1.05
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	19	1.05
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	1	1.05
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	12	1.05
(4,212)	1:129:A:ASN:H	1:130:A:ASN:H	18	1.05
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	11	1.05
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	13	1.05
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	14	1.05
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	6	1.05
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	6	1.05
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	6	1.05
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	14	1.05
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	14	1.05
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	14	1.05
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	4	1.05
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	4	1.05
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	20	1.05
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	20	1.05
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	20	1.05
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	20	1.05
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	20	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	20	1.05
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	4	1.05
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	4	1.05
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	4	1.05
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	4	1.05
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	4	1.05
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	4	1.05
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	17	1.05
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	17	1.05
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	3	1.05
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	12	1.05
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	13	1.05
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	7	1.05
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	10	1.05
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	16	1.05
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	20	1.05
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	3	1.05
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	3	1.05
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	3	1.05
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	4	1.05
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	4	1.05
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	4	1.05
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	6	1.05
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	6	1.05
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	6	1.05
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	1	1.05
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	3	1.05
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	19	1.05
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	2	1.05
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	3	1.05
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	5	1.05
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	7	1.05
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	9	1.05
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	11	1.05
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	12	1.05
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	16	1.05
(2,2809)	1:94:A:PRO:HB2	1:94:A:PRO:HB3	19	1.05
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	11	1.05
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	20	1.05
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	8	1.05
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	10	1.05
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	1	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	2	1.05
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	3	1.05
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	10	1.05
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	16	1.05
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	17	1.05
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	19	1.05
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	9	1.05
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	14	1.05
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	5	1.05
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	13	1.05
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	16	1.05
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	4	1.05
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	4	1.05
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	4	1.05
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	5	1.05
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	5	1.05
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	5	1.05
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	12	1.05
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	12	1.05
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	12	1.05
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	17	1.05
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	17	1.05
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	17	1.05
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	20	1.05
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	20	1.05
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	20	1.05
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	15	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	1	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	2	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	3	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	4	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	5	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	6	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	8	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	10	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	11	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	12	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	13	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	17	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	18	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	19	1.05
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	20	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	11	1.05
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	19	1.05
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	4	1.05
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	4	1.05
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	4	1.05
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	3	1.05
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	8	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	1	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	2	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	3	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	4	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	5	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	6	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	7	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	8	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	9	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	10	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	11	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	12	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	13	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	14	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	15	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	16	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	17	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	18	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	19	1.05
(2,2562)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	20	1.05
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	6	1.05
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	12	1.05
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	6	1.05
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	19	1.05
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	1	1.05
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	11	1.05
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	20	1.05
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	2	1.05
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	3	1.05
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	5	1.05
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	16	1.05
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	17	1.05
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	19	1.05
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	2	1.05
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	2	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	2	1.05
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	15	1.05
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	15	1.05
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	15	1.05
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	1	1.05
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	3	1.05
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	4	1.05
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	6	1.05
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	13	1.05
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	14	1.05
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	16	1.05
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	17	1.05
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	19	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	1	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	2	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	3	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	4	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	5	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	6	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	7	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	8	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	9	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	10	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	11	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	12	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	13	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	14	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	15	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	16	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	17	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	18	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	19	1.05
(2,2270)	1:71:A:THR:HA	1:71:A:THR:HB	20	1.05
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	3	1.05
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	16	1.05
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	17	1.05
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	20	1.05
(2,2228)	1:89:A:ILE:HG21	1:89:A:ILE:HA	18	1.05
(2,2228)	1:89:A:ILE:HG22	1:89:A:ILE:HA	18	1.05
(2,2228)	1:89:A:ILE:HG23	1:89:A:ILE:HA	18	1.05
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	2	1.05
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	12	1.05
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	1	1.05
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	1	1.05
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	1	1.05
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	4	1.05
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	4	1.05
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	4	1.05
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	16	1.05
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	16	1.05
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	16	1.05
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	2	1.05
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	19	1.05
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	16	1.05
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	1	1.05
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	4	1.05
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	14	1.05
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	4	1.05
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	10	1.05
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	18	1.05
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	19	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	1	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	2	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	3	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	4	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	5	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	6	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	7	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	8	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	9	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	12	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	13	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	14	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	15	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	17	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	18	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	19	1.05
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	20	1.05
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	1	1.05
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	1	1.05
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	1	1.05
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	1	1.05
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	1	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	1	1.05
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	1	1.05
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	1	1.05
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	1	1.05
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	2	1.05
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	2	1.05
(2,1991)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	2	1.05
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	2	1.05
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	2	1.05
(2,1991)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	2	1.05
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	2	1.05
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	2	1.05
(2,1991)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	2	1.05
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	15	1.05
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	2	1.05
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	8	1.05
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	9	1.05
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	12	1.05
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	13	1.05
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	16	1.05
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	20	1.05
(2,1980)	1:88:A:LYS:HA	1:88:A:LYS:HB3	2	1.05
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	9	1.05
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	15	1.05
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	19	1.05
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	5	1.05
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	6	1.05
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	11	1.05
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	13	1.05
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	14	1.05
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	19	1.05
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	1	1.05
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	13	1.05
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	14	1.05
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	12	1.05
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	8	1.05
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	11	1.05
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	8	1.05
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	12	1.05
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	12	1.05
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	5	1.05
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	5	1.05
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	3	1.05
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	13	1.05
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	16	1.05
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	17	1.05
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	20	1.05
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	18	1.05
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	3	1.05
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	2	1.05
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	2	1.05
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	2	1.05
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	16	1.05
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	16	1.05
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	16	1.05
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	17	1.05
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	17	1.05
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	17	1.05
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	12	1.05
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	19	1.05
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	9	1.05
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	10	1.05
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	14	1.05
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	15	1.05
(2,1437)	1:89:A:ILE:HG13	1:90:A:LEU:H	18	1.05
(2,1406)	1:29:A:LEU:HA	1:29:A:LEU:H	15	1.05
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	3	1.05
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	7	1.05
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	10	1.05
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	3	1.05
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	15	1.05
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	1	1.05
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	11	1.05
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	18	1.05
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	20	1.05
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	5	1.05
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	7	1.05
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	5	1.05
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	6	1.05
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	11	1.05
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	11	1.05
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	11	1.05
(2,1203)	1:146:A:HIS:HA	1:147:A:ASN:H	13	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	2	1.05
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	3	1.05
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	4	1.05
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	6	1.05
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	7	1.05
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	11	1.05
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	13	1.05
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	14	1.05
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	18	1.05
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	20	1.05
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	2	1.05
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	4	1.05
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	6	1.05
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	15	1.05
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	16	1.05
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	19	1.05
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	2	1.05
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	12	1.05
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	5	1.05
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	5	1.05
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	5	1.05
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	1	1.05
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	2	1.05
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	7	1.05
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	14	1.05
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	5	1.05
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	2	1.05
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	2	1.05
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	2	1.05
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	1	1.05
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	2	1.05
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	5	1.05
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	8	1.05
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	19	1.05
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	20	1.05
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	2	1.05
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	3	1.05
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	4	1.05
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	5	1.05
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	6	1.05
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	8	1.05
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	9	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	10	1.05
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	11	1.05
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	13	1.05
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	14	1.05
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	17	1.05
(2,1047)	1:152:A:GLU:HG2	1:152:A:GLU:HB2	19	1.05
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	1	1.05
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	2	1.05
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	10	1.05
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	2	1.05
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	10	1.05
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	11	1.05
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	18	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	4	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	4	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	4	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	6	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	6	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	6	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	17	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	17	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	17	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	18	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	18	1.05
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	18	1.05
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	17	1.05
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	1	1.05
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	15	1.05
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	18	1.05
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	6	1.05
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	15	1.05
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	11	1.05
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	2	1.05
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	3	1.05
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	6	1.05
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	14	1.05
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	19	1.05
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	2	1.05
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	8	1.05
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	14	1.05
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	15	1.05
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	2	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	2	1.05
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	2	1.05
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	5	1.05
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	5	1.05
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	5	1.05
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	6	1.05
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	6	1.05
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	6	1.05
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	16	1.05
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	16	1.05
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	16	1.05
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	17	1.05
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	17	1.05
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	17	1.05
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	3	1.05
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	4	1.05
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	5	1.05
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	7	1.05
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	9	1.05
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	13	1.05
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	17	1.05
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	18	1.05
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	19	1.05
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	2	1.05
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	8	1.05
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	15	1.05
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	17	1.05
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	1	1.05
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	5	1.05
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	18	1.05
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	19	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	4	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	6	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	7	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	8	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	9	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	10	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	12	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	13	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	14	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	15	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	16	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	18	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	19	1.05
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	20	1.05
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	16	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	1	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	2	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	3	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	4	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	5	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	6	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	7	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	8	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	9	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	10	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	11	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	12	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	13	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	14	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	15	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	16	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	17	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	19	1.05
(2,449)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	20	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	1	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	3	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	5	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	8	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	10	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	11	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	13	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	14	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	15	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	16	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	18	1.05
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	19	1.05
(2,431)	1:92:A:GLN:HA	1:92:A:GLN:HB3	18	1.05
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	3	1.05
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	4	1.05
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	5	1.05
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	12	1.05
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	14	1.05
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	16	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	17	1.05
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	18	1.05
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	19	1.05
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	2	1.05
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	3	1.05
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	8	1.05
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	16	1.05
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	12	1.05
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	7	1.05
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	2	1.05
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	13	1.05
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	1	1.05
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	3	1.05
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	4	1.05
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	6	1.05
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	10	1.05
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	11	1.05
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	14	1.05
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	15	1.05
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	17	1.05
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	18	1.05
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	19	1.05
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	20	1.05
(2,215)	1:42:A:ALA:HA	1:42:A:ALA:H	14	1.05
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	1	1.05
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	5	1.05
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	11	1.05
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	19	1.05
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	9	1.05
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	11	1.05
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	19	1.05
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	2	1.05
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	1	1.05
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	7	1.05
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	19	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	1	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	2	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	3	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	4	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	5	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	7	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	8	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	9	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	10	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	11	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	12	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	13	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	14	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	15	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	17	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	18	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	19	1.05
(2,77)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	20	1.05
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	20	1.05
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	8	1.04
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	17	1.04
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	17	1.04
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	17	1.04
(4,1398)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	12	1.04
(4,1398)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	17	1.04
(4,1322)	1:166:A:ASN:H	1:166:A:ASN:HD21	11	1.04
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	1	1.04
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	8	1.04
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	20	1.04
(4,1183)	1:121:A:GLN:HG2	1:121:A:GLN:H	8	1.04
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	3	1.04
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	3	1.04
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	3	1.04
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	1	1.04
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	4	1.04
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	8	1.04
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	10	1.04
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	12	1.04
(4,1017)	1:2:A:ARG:HA	1:2:A:ARG:H	19	1.04
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	16	1.04
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	16	1.04
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	16	1.04
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	19	1.04
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	19	1.04
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	19	1.04
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	19	1.04
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	14	1.04
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	13	1.04
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	13	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	13	1.04
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	18	1.04
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	18	1.04
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	18	1.04
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	6	1.04
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	6	1.04
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	6	1.04
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	7	1.04
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	7	1.04
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	7	1.04
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	12	1.04
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	12	1.04
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	12	1.04
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	14	1.04
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	14	1.04
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	14	1.04
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	15	1.04
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	15	1.04
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	15	1.04
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	1	1.04
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	7	1.04
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	2	1.04
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	2	1.04
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	2	1.04
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	2	1.04
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	3	1.04
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	13	1.04
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	13	1.04
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	13	1.04
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	5	1.04
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	6	1.04
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	13	1.04
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	15	1.04
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	20	1.04
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	4	1.04
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	7	1.04
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	12	1.04
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	11	1.04
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	17	1.04
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	3	1.04
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	10	1.04
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	10	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	10	1.04
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	16	1.04
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	16	1.04
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	16	1.04
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	18	1.04
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	18	1.04
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	18	1.04
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	19	1.04
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	19	1.04
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	19	1.04
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	9	1.04
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	9	1.04
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	9	1.04
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	9	1.04
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	9	1.04
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	9	1.04
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	7	1.04
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	4	1.04
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	6	1.04
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	10	1.04
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	13	1.04
(2,3125)	1:11:A:GLN:HA	1:11:A:GLN:HG3	20	1.04
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	5	1.04
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	7	1.04
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	7	1.04
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	7	1.04
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	16	1.04
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	16	1.04
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	16	1.04
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	9	1.04
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	7	1.04
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	5	1.04
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	5	1.04
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	5	1.04
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	1	1.04
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	16	1.04
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	10	1.04
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	8	1.04
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	8	1.04
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	8	1.04
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	16	1.04
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	16	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	16	1.04
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	8	1.04
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	15	1.04
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	1	1.04
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	12	1.04
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	13	1.04
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	17	1.04
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	18	1.04
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	4	1.04
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	5	1.04
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	5	1.04
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	8	1.04
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	13	1.04
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	14	1.04
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	15	1.04
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	10	1.04
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	17	1.04
(2,2732)	1:102:A:ASN:HA	1:102:A:ASN:HB3	15	1.04
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	14	1.04
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	3	1.04
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	17	1.04
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	10	1.04
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	10	1.04
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	10	1.04
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	10	1.04
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	9	1.04
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	14	1.04
(2,2630)	1:36:A:LEU:HA	1:36:A:LEU:HB2	16	1.04
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	2	1.04
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	19	1.04
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	19	1.04
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	19	1.04
(2,2564)	1:118:A:LEU:HD11	1:118:A:LEU:H	20	1.04
(2,2564)	1:118:A:LEU:HD12	1:118:A:LEU:H	20	1.04
(2,2564)	1:118:A:LEU:HD13	1:118:A:LEU:H	20	1.04
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	6	1.04
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	2	1.04
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	8	1.04
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	19	1.04
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	8	1.04
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	14	1.04
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	7	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	20	1.04
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	1	1.04
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	3	1.04
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	4	1.04
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	5	1.04
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	6	1.04
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	7	1.04
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	12	1.04
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	13	1.04
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	15	1.04
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	20	1.04
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	3	1.04
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	3	1.04
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	3	1.04
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	8	1.04
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	8	1.04
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	8	1.04
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	17	1.04
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	17	1.04
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	17	1.04
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	19	1.04
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	19	1.04
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	19	1.04
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	7	1.04
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	10	1.04
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	18	1.04
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	20	1.04
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	6	1.04
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	12	1.04
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	7	1.04
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	3	1.04
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	10	1.04
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	20	1.04
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG11	20	1.04
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG12	20	1.04
(2,2215)	1:150:A:VAL:HA	1:150:A:VAL:HG13	20	1.04
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	8	1.04
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	7	1.04
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	11	1.04
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	15	1.04
(2,2146)	1:65:A:ILE:HG12	1:65:A:ILE:HA	15	1.04
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	3	1.04
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	11	1.04
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	16	1.04
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	4	1.04
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	11	1.04
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	12	1.04
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	16	1.04
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	20	1.04
(2,1998)	1:15:A:LEU:HA	1:15:A:LEU:H	16	1.04
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	3	1.04
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	5	1.04
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	6	1.04
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	7	1.04
(2,1981)	1:56:A:THR:HA	1:56:A:THR:HB	14	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	2	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	3	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	4	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	5	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	6	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	7	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	8	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	10	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	11	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	12	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	13	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	14	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	15	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	16	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	17	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	18	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	19	1.04
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	20	1.04
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	15	1.04
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	1	1.04
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	2	1.04
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	7	1.04
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	11	1.04
(2,1939)	1:134:A:ILE:H	1:134:A:ILE:HA	20	1.04
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	2	1.04
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	18	1.04
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	1	1.04
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	2	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	3	1.04
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	4	1.04
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	5	1.04
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	6	1.04
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	7	1.04
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	11	1.04
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	12	1.04
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	13	1.04
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	17	1.04
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	19	1.04
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	20	1.04
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	2	1.04
(2,1857)	1:37:A:GLN:HG2	1:37:A:GLN:HB3	17	1.04
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	6	1.04
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	3	1.04
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	16	1.04
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	18	1.04
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	19	1.04
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	2	1.04
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	7	1.04
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	13	1.04
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	11	1.04
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	9	1.04
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	3	1.04
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	9	1.04
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	11	1.04
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	12	1.04
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	16	1.04
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	17	1.04
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	18	1.04
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	7	1.04
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	8	1.04
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	9	1.04
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	2	1.04
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	2	1.04
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	2	1.04
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	16	1.04
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	16	1.04
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	16	1.04
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	17	1.04
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	17	1.04
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	17	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	12	1.04
(2,1640)	1:88:A:LYS:HB2	1:88:A:LYS:H	19	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	1	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	4	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	5	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	6	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	7	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	9	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	10	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	11	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	12	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	14	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	15	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	18	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	19	1.04
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	20	1.04
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	15	1.04
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	14	1.04
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	20	1.04
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	20	1.04
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	2	1.04
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	1	1.04
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	15	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	1	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	2	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	4	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	5	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	6	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	8	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	9	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	11	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	12	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	13	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	14	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	15	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	16	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	17	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	18	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	19	1.04
(2,1392)	1:45:A:SER:HB2	1:45:A:SER:HB3	20	1.04
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	2	1.04
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	9	1.04
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	10	1.04
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	7	1.04
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	2	1.04
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	8	1.04
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	11	1.04
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	13	1.04
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	4	1.04
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	6	1.04
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	1	1.04
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	10	1.04
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	12	1.04
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	17	1.04
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	19	1.04
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	5	1.04
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	8	1.04
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	14	1.04
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	14	1.04
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	19	1.04
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	19	1.04
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	19	1.04
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	20	1.04
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	20	1.04
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	20	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	3	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	4	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	6	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	8	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	9	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	10	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	11	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	12	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	13	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	15	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	16	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	17	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	18	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	19	1.04
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	20	1.04
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	18	1.04
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	14	1.04
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	14	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	14	1.04
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	20	1.04
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	20	1.04
(2,1091)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	20	1.04
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	14	1.04
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	16	1.04
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	17	1.04
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	2	1.04
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	12	1.04
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	6	1.04
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	19	1.04
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	20	1.04
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	17	1.04
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	8	1.04
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	6	1.04
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	6	1.04
(2,810)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	6	1.04
(2,791)	1:122:A:HIS:HA	1:123:A:TYR:H	11	1.04
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	10	1.04
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	1	1.04
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	1	1.04
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	1	1.04
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	7	1.04
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	7	1.04
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	7	1.04
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	10	1.04
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	10	1.04
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	10	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	5	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	5	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	5	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	6	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	6	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	6	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	8	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	8	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	8	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	10	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	10	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	10	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	12	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	12	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	12	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	16	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	16	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	16	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	17	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	17	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	17	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	20	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	20	1.04
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	20	1.04
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	3	1.04
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	4	1.04
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	5	1.04
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	7	1.04
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	8	1.04
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	10	1.04
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	11	1.04
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	12	1.04
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	14	1.04
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	16	1.04
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	20	1.04
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	3	1.04
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	5	1.04
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	16	1.04
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	20	1.04
(2,692)	1:88:A:LYS:HA	1:88:A:LYS:HB3	2	1.04
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	11	1.04
(2,680)	1:35:A:SER:H	1:35:A:SER:HA	17	1.04
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	12	1.04
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	7	1.04
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	7	1.04
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	7	1.04
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	9	1.04
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	9	1.04
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	9	1.04
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	18	1.04
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	18	1.04
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	18	1.04
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	12	1.04
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	14	1.04
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	15	1.04
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	16	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD11	11	1.04
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD12	11	1.04
(2,551)	1:57:A:ILE:HA	1:57:A:ILE:HD13	11	1.04
(2,541)	1:98:A:PHE:HB3	1:98:A:PHE:H	13	1.04
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	9	1.04
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	19	1.04
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	8	1.04
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	9	1.04
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	13	1.04
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	15	1.04
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	1	1.04
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	2	1.04
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	3	1.04
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	5	1.04
(2,510)	1:165:A:ILE:HB	1:165:A:ILE:HA	11	1.04
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	15	1.04
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	2	1.04
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	4	1.04
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	6	1.04
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	7	1.04
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	9	1.04
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	12	1.04
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	17	1.04
(2,440)	1:79:A:MET:H	1:79:A:MET:HA	20	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	1	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	1	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	1	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	3	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	3	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	3	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	4	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	4	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	4	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	5	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	5	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	5	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	7	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	7	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	7	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	8	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	8	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	10	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	10	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	10	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	12	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	12	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	12	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	13	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	13	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	13	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	14	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	14	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	14	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	15	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	15	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	15	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	16	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	16	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	16	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	17	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	17	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	17	1.04
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	19	1.04
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	19	1.04
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	19	1.04
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	16	1.04
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	13	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	4	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	5	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	6	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	7	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	10	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	12	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	13	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	14	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	15	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	17	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	18	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	19	1.04
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	20	1.04
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	7	1.04
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	16	1.04
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	1	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	2	1.04
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	3	1.04
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	10	1.04
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	16	1.04
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	4	1.04
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	11	1.04
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	17	1.04
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	5	1.04
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	4	1.04
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	10	1.04
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	15	1.04
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	16	1.04
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	20	1.04
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	2	1.04
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	5	1.04
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	7	1.04
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	8	1.04
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	9	1.04
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	12	1.04
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	13	1.04
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	16	1.04
(2,241)	1:101:A:ILE:HB	1:101:A:ILE:HG12	20	1.04
(2,202)	1:165:A:ILE:HD11	1:166:A:ASN:H	6	1.04
(2,202)	1:165:A:ILE:HD12	1:166:A:ASN:H	6	1.04
(2,202)	1:165:A:ILE:HD13	1:166:A:ASN:H	6	1.04
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	3	1.04
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	14	1.04
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	1	1.04
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	10	1.04
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	14	1.04
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	15	1.04
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	3	1.04
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	10	1.04
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	15	1.04
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	1	1.04
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	10	1.04
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	14	1.04
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	15	1.04
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	6	1.04
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	4	1.04
(2,36)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	18	1.04
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	20	1.04
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	20	1.04
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	20	1.04
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	20	1.04
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	20	1.04
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	4	1.03
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	11	1.03
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	13	1.03
(4,1398)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	10	1.03
(4,1398)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	18	1.03
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	9	1.03
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	9	1.03
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	9	1.03
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	5	1.03
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	14	1.03
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	2	1.03
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	2	1.03
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	15	1.03
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	2	1.03
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	11	1.03
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	20	1.03
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	4	1.03
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	5	1.03
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	9	1.03
(4,966)	1:2:A:ARG:HG3	1:2:A:ARG:H	1	1.03
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	11	1.03
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	3	1.03
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	3	1.03
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	3	1.03
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	16	1.03
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	16	1.03
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	16	1.03
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	19	1.03
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	19	1.03
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	19	1.03
(4,601)	1:162:A:ARG:HD2	1:162:A:ARG:H	2	1.03
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	1	1.03
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	1	1.03
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	1	1.03
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	4	1.03
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	4	1.03
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	4	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	8	1.03
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	8	1.03
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	8	1.03
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	14	1.03
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	2	1.03
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	3	1.03
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	11	1.03
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	15	1.03
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	17	1.03
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	1	1.03
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	6	1.03
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	11	1.03
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	15	1.03
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	3	1.03
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	4	1.03
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	11	1.03
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	16	1.03
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	19	1.03
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	15	1.03
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	17	1.03
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	17	1.03
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	17	1.03
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	20	1.03
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	20	1.03
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	20	1.03
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	13	1.03
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	13	1.03
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	13	1.03
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	13	1.03
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	13	1.03
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	13	1.03
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	1	1.03
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	7	1.03
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	15	1.03
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	16	1.03
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	18	1.03
(2,3125)	1:11:A:GLN:HA	1:11:A:GLN:HG3	14	1.03
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	20	1.03
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	3	1.03
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	5	1.03
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	12	1.03
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	17	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	2	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	2	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	2	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	3	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	3	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	3	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	4	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	4	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	4	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	5	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	5	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	5	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	8	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	8	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	8	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	13	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	13	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	13	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	15	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	15	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	15	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	17	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	17	1.03
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	17	1.03
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	18	1.03
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	13	1.03
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	18	1.03
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	8	1.03
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	8	1.03
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	8	1.03
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	1	1.03
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	2	1.03
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	6	1.03
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	8	1.03
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	15	1.03
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	9	1.03
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	9	1.03
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	9	1.03
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	15	1.03
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	15	1.03
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	15	1.03
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	19	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	19	1.03
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	19	1.03
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	10	1.03
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	11	1.03
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	17	1.03
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	20	1.03
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	2	1.03
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	3	1.03
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	6	1.03
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	9	1.03
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	10	1.03
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	15	1.03
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	19	1.03
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	5	1.03
(2,2775)	1:124:A:GLY:HA3	1:125:A:ILE:H	11	1.03
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	4	1.03
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	18	1.03
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	20	1.03
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	10	1.03
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	19	1.03
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	2	1.03
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	4	1.03
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	7	1.03
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	15	1.03
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	17	1.03
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	12	1.03
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	12	1.03
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	12	1.03
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	15	1.03
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	15	1.03
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	15	1.03
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	2	1.03
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	5	1.03
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	8	1.03
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	10	1.03
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	17	1.03
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	19	1.03
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	20	1.03
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	17	1.03
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	2	1.03
(2,2535)	1:122:A:HIS:HB3	1:122:A:HIS:HA	12	1.03
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	11	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	11	1.03
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	11	1.03
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	3	1.03
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	11	1.03
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	13	1.03
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	5	1.03
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	12	1.03
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	2	1.03
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	8	1.03
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	9	1.03
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	10	1.03
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	11	1.03
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	14	1.03
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	16	1.03
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	17	1.03
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	18	1.03
(2,2380)	1:5:A:LEU:HB3	1:5:A:LEU:HA	19	1.03
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	5	1.03
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	5	1.03
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	5	1.03
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	9	1.03
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	9	1.03
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	9	1.03
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	10	1.03
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	10	1.03
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	10	1.03
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	16	1.03
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	16	1.03
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	16	1.03
(2,2309)	1:4:A:LEU:H	1:4:A:LEU:HG	7	1.03
(2,2278)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	14	1.03
(2,2278)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	14	1.03
(2,2278)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	14	1.03
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	1	1.03
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	4	1.03
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	9	1.03
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	14	1.03
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	15	1.03
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	17	1.03
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	1	1.03
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	20	1.03
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	10	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	2	1.03
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	5	1.03
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	7	1.03
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	9	1.03
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	12	1.03
(2,2036)	1:94:A:PRO:HA	1:94:A:PRO:HB3	19	1.03
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	4	1.03
(2,1988)	1:147:A:ASN:H	1:146:A:HIS:HB2	8	1.03
(2,1973)	1:7:A:TYR:HB3	1:7:A:TYR:HA	1	1.03
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	10	1.03
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	17	1.03
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	5	1.03
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	6	1.03
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	9	1.03
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	10	1.03
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	16	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	1	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	2	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	3	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	4	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	5	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	6	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	7	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	8	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	9	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	10	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	11	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	12	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	13	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	14	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	16	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	17	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	18	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	19	1.03
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	20	1.03
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	8	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	1	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	2	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	3	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	4	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	5	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	7	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	8	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	9	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	10	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	11	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	12	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	13	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	14	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	15	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	16	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	17	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	18	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	19	1.03
(2,1872)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	20	1.03
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	10	1.03
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	14	1.03
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	18	1.03
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	1	1.03
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	15	1.03
(2,1834)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	18	1.03
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	6	1.03
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	18	1.03
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	7	1.03
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	15	1.03
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	20	1.03
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	1	1.03
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	16	1.03
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	5	1.03
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	5	1.03
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	5	1.03
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	8	1.03
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	9	1.03
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	2	1.03
(2,1731)	1:146:A:HIS:HA	1:146:A:HIS:HB2	13	1.03
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	13	1.03
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	13	1.03
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	13	1.03
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	10	1.03
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	14	1.03
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	13	1.03
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	16	1.03
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	15	1.03
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	2	1.03
(2,1606)	1:90:A:LEU:HA	1:90:A:LEU:H	8	1.03
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	2	1.03
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	18	1.03
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	19	1.03
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	2	1.03
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	9	1.03
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	14	1.03
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	15	1.03
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	20	1.03
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	18	1.03
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	18	1.03
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	18	1.03
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	10	1.03
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	17	1.03
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	20	1.03
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	13	1.03
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	6	1.03
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	6	1.03
(2,1349)	1:8:A:GLN:H	1:7:A:TYR:HA	14	1.03
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	13	1.03
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	4	1.03
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	9	1.03
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	14	1.03
(2,1272)	1:30:A:LEU:HB3	1:30:A:LEU:H	8	1.03
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	2	1.03
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	8	1.03
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	13	1.03
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	16	1.03
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	14	1.03
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	14	1.03
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	14	1.03
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	5	1.03
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	9	1.03
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	15	1.03
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	16	1.03
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	7	1.03
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	9	1.03
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	10	1.03
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	18	1.03
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1164)	1:79:A:MET:HG2	1:79:A:MET:HA	17	1.03
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	2	1.03
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	5	1.03
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	7	1.03
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	8	1.03
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	18	1.03
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	20	1.03
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	16	1.03
(2,1121)	1:90:A:LEU:HA	1:90:A:LEU:HB2	5	1.03
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	6	1.03
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	20	1.03
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	2	1.03
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	6	1.03
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	13	1.03
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	17	1.03
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	20	1.03
(2,1079)	1:16:A:ASN:HB2	1:16:A:ASN:HA	8	1.03
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	1	1.03
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	10	1.03
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	20	1.03
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	20	1.03
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	20	1.03
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	12	1.03
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	12	1.03
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	1	1.03
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	12	1.03
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	19	1.03
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	20	1.03
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	2	1.03
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	2	1.03
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	2	1.03
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	8	1.03
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	8	1.03
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	8	1.03
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	15	1.03
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	15	1.03
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	15	1.03
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	2	1.03
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	2	1.03
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	2	1.03
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	13	1.03
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	13	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	13	1.03
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	18	1.03
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	16	1.03
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	2	1.03
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	1	1.03
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	5	1.03
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	9	1.03
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	10	1.03
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	13	1.03
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	16	1.03
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	20	1.03
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	1	1.03
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	1	1.03
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	1	1.03
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	3	1.03
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	3	1.03
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	3	1.03
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	4	1.03
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	4	1.03
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	4	1.03
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	12	1.03
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	12	1.03
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	12	1.03
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	15	1.03
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	15	1.03
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	15	1.03
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	19	1.03
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	19	1.03
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	19	1.03
(2,642)	1:50:A:GLY:HA2	1:51:A:LEU:H	20	1.03
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	17	1.03
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	2	1.03
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	5	1.03
(2,538)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	8	1.03
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	20	1.03
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	20	1.03
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	20	1.03
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	5	1.03
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	9	1.03
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	10	1.03
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	13	1.03
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	6	1.03
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	6	1.03
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	9	1.03
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	9	1.03
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	9	1.03
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	11	1.03
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	11	1.03
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	11	1.03
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	18	1.03
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	18	1.03
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	18	1.03
(2,439)	1:86:A:VAL:HG21	1:86:A:VAL:HA	20	1.03
(2,439)	1:86:A:VAL:HG22	1:86:A:VAL:HA	20	1.03
(2,439)	1:86:A:VAL:HG23	1:86:A:VAL:HA	20	1.03
(2,421)	1:101:A:ILE:H	1:101:A:ILE:HG13	11	1.03
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	1	1.03
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	1	1.03
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	6	1.03
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	7	1.03
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	10	1.03
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	9	1.03
(2,343)	1:46:A:ILE:HB	1:46:A:ILE:HA	11	1.03
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	20	1.03
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	4	1.03
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	5	1.03
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	8	1.03
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	9	1.03
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	11	1.03
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	15	1.03
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	20	1.03
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	1	1.03
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	3	1.03
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	5	1.03
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	12	1.03
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	15	1.03
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	18	1.03
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	1	1.03
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	16	1.03
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	20	1.03
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	1	1.03
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	5	1.03
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	8	1.03
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	9	1.03
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	11	1.03
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	14	1.03
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	17	1.03
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	18	1.03
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	17	1.03
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	17	1.03
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	17	1.03
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	4	1.03
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	14	1.03
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	6	1.03
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	19	1.03
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	15	1.03
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	7	1.03
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	18	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	1	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	3	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	4	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	5	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	6	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	8	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	9	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	12	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	15	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	16	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	17	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	19	1.03
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	20	1.03
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	15	1.03
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	16	1.03
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	17	1.03
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	20	1.03
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	4	1.03
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	6	1.03
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	8	1.03
(2,54)	1:4:A:LEU:HD11	1:4:A:LEU:HA	7	1.03
(2,54)	1:4:A:LEU:HD12	1:4:A:LEU:HA	7	1.03
(2,54)	1:4:A:LEU:HD13	1:4:A:LEU:HA	7	1.03
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	1	1.03
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	8	1.03
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	15	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	16	1.03
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	9	1.03
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	9	1.03
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	9	1.03
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	9	1.03
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	9	1.03
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	9	1.03
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	14	1.02
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	20	1.02
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	19	1.02
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	19	1.02
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	19	1.02
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	1	1.02
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	1	1.02
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	1	1.02
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	15	1.02
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	3	1.02
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	6	1.02
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	18	1.02
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	1	1.02
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	16	1.02
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	19	1.02
(4,1063)	1:80:A:LYS:HD3	1:81:A:THR:H	17	1.02
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	20	1.02
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	6	1.02
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	6	1.02
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	6	1.02
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	9	1.02
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	9	1.02
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	9	1.02
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	20	1.02
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	20	1.02
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	20	1.02
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	11	1.02
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	10	1.02
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	12	1.02
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	13	1.02
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	15	1.02
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	14	1.02
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	3	1.02
(4,385)	1:101:A:ILE:H	1:101:A:ILE:HG12	11	1.02
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	8	1.02
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	9	1.02
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	10	1.02
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	13	1.02
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	14	1.02
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	20	1.02
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	20	1.02
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	9	1.02
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	18	1.02
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	4	1.02
(4,104)	1:153:A:LEU:HG	1:154:A:ALA:H	14	1.02
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	5	1.02
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	5	1.02
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	5	1.02
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	7	1.02
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	7	1.02
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	7	1.02
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	15	1.02
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	15	1.02
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	15	1.02
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	5	1.02
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	5	1.02
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	5	1.02
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	5	1.02
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	5	1.02
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	5	1.02
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	5	1.02
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	5	1.02
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	5	1.02
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	11	1.02
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	11	1.02
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	11	1.02
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	3	1.02
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	6	1.02
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	8	1.02
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	16	1.02
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	17	1.02
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	9	1.02
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	4	1.02
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	14	1.02
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	16	1.02
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	19	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	13	1.02
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	19	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	6	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	6	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	6	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	10	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	10	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	10	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	11	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	11	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	11	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	12	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	12	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	12	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	14	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	14	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	14	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	18	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	18	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	18	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	19	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	19	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	19	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	20	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	20	1.02
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	20	1.02
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	14	1.02
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	15	1.02
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	9	1.02
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	1	1.02
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	1	1.02
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	1	1.02
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	2	1.02
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	2	1.02
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	2	1.02
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	13	1.02
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	13	1.02
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	13	1.02
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	19	1.02
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	19	1.02
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	19	1.02
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	5	1.02
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	7	1.02
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	13	1.02
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	15	1.02
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	19	1.02
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	10	1.02
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	18	1.02
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	3	1.02
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	5	1.02
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	13	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	5	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	5	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	5	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	7	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	7	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	7	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	10	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	10	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	10	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	13	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	13	1.02
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	13	1.02
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	4	1.02
(2,2814)	1:82:A:TYR:HB3	1:82:A:TYR:H	16	1.02
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	4	1.02
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	5	1.02
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	7	1.02
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	8	1.02
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	14	1.02
(2,2808)	1:118:A:LEU:HA	1:118:A:LEU:HG	16	1.02
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	8	1.02
(2,2761)	1:26:A:THR:HB	1:26:A:THR:HA	6	1.02
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	9	1.02
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	13	1.02
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	5	1.02
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	2	1.02
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	2	1.02
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	2	1.02
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	19	1.02
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	19	1.02
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	19	1.02
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	17	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	19	1.02
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	5	1.02
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	8	1.02
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	16	1.02
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	20	1.02
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	5	1.02
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	5	1.02
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	5	1.02
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	10	1.02
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	2	1.02
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	3	1.02
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	9	1.02
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	14	1.02
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	16	1.02
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	18	1.02
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	1	1.02
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	12	1.02
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	3	1.02
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	7	1.02
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	6	1.02
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	17	1.02
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	4	1.02
(2,2384)	1:74:A:LEU:HB2	1:75:A:ASN:H	14	1.02
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	14	1.02
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	14	1.02
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	14	1.02
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	18	1.02
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	18	1.02
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	18	1.02
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	20	1.02
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	20	1.02
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	20	1.02
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	2	1.02
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	15	1.02
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	6	1.02
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	8	1.02
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	16	1.02
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	19	1.02
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	3	1.02
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	4	1.02
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	5	1.02
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	12	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	13	1.02
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	17	1.02
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	20	1.02
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	8	1.02
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	5	1.02
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	8	1.02
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	5	1.02
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	9	1.02
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	1	1.02
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	2	1.02
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	9	1.02
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	10	1.02
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	15	1.02
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	8	1.02
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	5	1.02
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	1	1.02
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	11	1.02
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	14	1.02
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	15	1.02
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	17	1.02
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	20	1.02
(2,1899)	1:64:A:SER:HB2	1:64:A:SER:HA	15	1.02
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	12	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	1	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	2	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	3	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	4	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	5	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	6	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	7	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	8	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	9	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	10	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	11	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	12	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	13	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	14	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	15	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	16	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	17	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	18	1.02
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	19	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1869)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	20	1.02
(2,1866)	1:30:A:LEU:HA	1:30:A:LEU:H	15	1.02
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	5	1.02
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	8	1.02
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	5	1.02
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	17	1.02
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	12	1.02
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	13	1.02
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	13	1.02
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	13	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	1	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	2	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	3	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	4	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	5	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	6	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	7	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	8	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	9	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	10	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	11	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	12	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	13	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	14	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	15	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	16	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	17	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	18	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	19	1.02
(2,1747)	1:64:A:SER:HB2	1:64:A:SER:HA	20	1.02
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	3	1.02
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	3	1.02
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	3	1.02
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	10	1.02
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	10	1.02
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	10	1.02
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	20	1.02
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	20	1.02
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	20	1.02
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	7	1.02
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	11	1.02
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	19	1.02
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	10	1.02
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	5	1.02
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	12	1.02
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	15	1.02
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	2	1.02
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	5	1.02
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	10	1.02
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	13	1.02
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	14	1.02
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	18	1.02
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	3	1.02
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	3	1.02
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	3	1.02
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	18	1.02
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	11	1.02
(2,1569)	1:107:A:PRO:HD3	1:107:A:PRO:HA	16	1.02
(2,1512)	1:74:A:LEU:HB2	1:74:A:LEU:HG	11	1.02
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	17	1.02
(2,1474)	1:71:A:THR:HG21	1:81:A:THR:HA	10	1.02
(2,1474)	1:71:A:THR:HG22	1:81:A:THR:HA	10	1.02
(2,1474)	1:71:A:THR:HG23	1:81:A:THR:HA	10	1.02
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	4	1.02
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	7	1.02
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	18	1.02
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	18	1.02
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	16	1.02
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	5	1.02
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	15	1.02
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	17	1.02
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	19	1.02
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	20	1.02
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	1	1.02
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	3	1.02
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	10	1.02
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	12	1.02
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	15	1.02
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	17	1.02
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	9	1.02
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	15	1.02
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	19	1.02
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	19	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	5	1.02
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	5	1.02
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	5	1.02
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	16	1.02
(2,1181)	1:30:A:LEU:HA	1:31:A:GLN:H	8	1.02
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	13	1.02
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	15	1.02
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	6	1.02
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	9	1.02
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	13	1.02
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	1	1.02
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	9	1.02
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	16	1.02
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	1	1.02
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	3	1.02
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	4	1.02
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	5	1.02
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	7	1.02
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	8	1.02
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	9	1.02
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	12	1.02
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	14	1.02
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	15	1.02
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	16	1.02
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	19	1.02
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	8	1.02
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	11	1.02
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	17	1.02
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	5	1.02
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	15	1.02
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	10	1.02
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	4	1.02
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	8	1.02
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	3	1.02
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	17	1.02
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	13	1.02
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	12	1.02
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	12	1.02
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	12	1.02
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	4	1.02
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	4	1.02
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	4	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	20	1.02
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	8	1.02
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	3	1.02
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	6	1.02
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	9	1.02
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	13	1.02
(2,730)	1:167:A:ARG:HB3	1:167:A:ARG:H	19	1.02
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	1	1.02
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	2	1.02
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	10	1.02
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	19	1.02
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	8	1.02
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	8	1.02
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	8	1.02
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	11	1.02
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	3	1.02
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	7	1.02
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	11	1.02
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	8	1.02
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	8	1.02
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	8	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	1	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	2	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	3	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	4	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	5	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	7	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	8	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	9	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	10	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	11	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	12	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	14	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	15	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	16	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	17	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	18	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	19	1.02
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	20	1.02
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	2	1.02
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	8	1.02
(2,393)	1:89:A:ILE:HG13	1:89:A:ILE:HB	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	18	1.02
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	4	1.02
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	6	1.02
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	12	1.02
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	17	1.02
(2,322)	1:107:A:PRO:HD3	1:107:A:PRO:HG2	19	1.02
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	2	1.02
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	13	1.02
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	3	1.02
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	9	1.02
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	10	1.02
(2,300)	1:37:A:GLN:HB2	1:38:A:ALA:H	13	1.02
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	3	1.02
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	12	1.02
(2,298)	1:11:A:GLN:HA	1:11:A:GLN:H	19	1.02
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	11	1.02
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	11	1.02
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	11	1.02
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	7	1.02
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	10	1.02
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	13	1.02
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	20	1.02
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	2	1.02
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	7	1.02
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	10	1.02
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	11	1.02
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	13	1.02
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	14	1.02
(2,156)	1:108:A:GLY:HA2	1:108:A:GLY:HA3	18	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	1	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	2	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	3	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	4	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	5	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	6	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	7	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	9	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	10	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	11	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	12	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	13	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	16	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	17	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	18	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	19	1.02
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	20	1.02
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	7	1.02
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	2	1.02
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	13	1.02
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	14	1.02
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	13	1.02
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	18	1.02
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	17	1.02
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	20	1.02
(1,7)	1:123:A:TYR:HE1	1:122:A:HIS:HB2	18	1.02
(1,7)	1:123:A:TYR:HE2	1:122:A:HIS:HB2	18	1.02
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	1	1.01
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	14	1.01
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	9	1.01
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	9	1.01
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	9	1.01
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	10	1.01
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	10	1.01
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	10	1.01
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	20	1.01
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	20	1.01
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	20	1.01
(4,1401)	1:79:A:MET:HE1	1:80:A:LYS:H	11	1.01
(4,1401)	1:79:A:MET:HE2	1:80:A:LYS:H	11	1.01
(4,1401)	1:79:A:MET:HE3	1:80:A:LYS:H	11	1.01
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	17	1.01
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	17	1.01
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	17	1.01
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	7	1.01
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	15	1.01
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	6	1.01
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	18	1.01
(4,1213)	1:80:A:LYS:HG3	1:81:A:THR:H	3	1.01
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	17	1.01
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	19	1.01
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	3	1.01
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	4	1.01
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	15	1.01
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	17	1.01
(4,1063)	1:80:A:LYS:HD3	1:81:A:THR:H	4	1.01
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	15	1.01
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	15	1.01
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	15	1.01
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	16	1.01
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	18	1.01
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	18	1.01
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	18	1.01
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	20	1.01
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	12	1.01
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	12	1.01
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	12	1.01
(4,584)	1:65:A:ILE:HG21	1:66:A:GLY:H	9	1.01
(4,584)	1:65:A:ILE:HG22	1:66:A:GLY:H	9	1.01
(4,584)	1:65:A:ILE:HG23	1:66:A:GLY:H	9	1.01
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	3	1.01
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	5	1.01
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	19	1.01
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	2	1.01
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	15	1.01
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	17	1.01
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	4	1.01
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	5	1.01
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	16	1.01
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	8	1.01
(4,224)	1:68:A:LYS:HG2	1:69:A:THR:H	12	1.01
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	18	1.01
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	16	1.01
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	3	1.01
(4,89)	1:120:A:LYS:HD3	1:121:A:GLN:H	3	1.01
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	4	1.01
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	8	1.01
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	8	1.01
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	8	1.01
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	9	1.01
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	9	1.01
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	9	1.01
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	11	1.01
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	11	1.01
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	11	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	13	1.01
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	13	1.01
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	13	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	1	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	1	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	2	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	2	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	3	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	3	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	4	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	4	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	5	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	5	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	6	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	6	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	7	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	7	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	8	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	8	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	9	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	9	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	10	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	10	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	11	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	11	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	12	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	12	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	13	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	13	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	14	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	14	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	15	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	15	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	16	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	16	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	17	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	17	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	18	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	18	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	19	1.01
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	19	1.01
(3,41)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	20	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,41)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	20	1.01
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	13	1.01
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	13	1.01
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	13	1.01
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	13	1.01
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	13	1.01
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	13	1.01
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	2	1.01
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	2	1.01
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	11	1.01
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	11	1.01
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	1	1.01
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	1	1.01
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	1	1.01
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	3	1.01
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	3	1.01
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	3	1.01
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	9	1.01
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	9	1.01
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	9	1.01
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	12	1.01
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	12	1.01
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	12	1.01
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	13	1.01
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	13	1.01
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	13	1.01
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	17	1.01
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	17	1.01
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	17	1.01
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	19	1.01
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	19	1.01
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	19	1.01
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	4	1.01
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	9	1.01
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	15	1.01
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	19	1.01
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	7	1.01
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	11	1.01
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	13	1.01
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	19	1.01
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	9	1.01
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	18	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	20	1.01
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG21	9	1.01
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG22	9	1.01
(2,3078)	1:46:A:ILE:HG13	1:46:A:ILE:HG23	9	1.01
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	5	1.01
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	18	1.01
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	19	1.01
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	20	1.01
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	4	1.01
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	8	1.01
(2,3029)	1:60:A:HIS:H	1:60:A:HIS:HB2	14	1.01
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	20	1.01
(2,2976)	1:52:A:PRO:HD3	1:52:A:PRO:HB3	20	1.01
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	4	1.01
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	4	1.01
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	4	1.01
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	7	1.01
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	7	1.01
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	7	1.01
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	9	1.01
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	9	1.01
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	9	1.01
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	14	1.01
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	14	1.01
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	14	1.01
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	3	1.01
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	9	1.01
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	10	1.01
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	11	1.01
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	14	1.01
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	20	1.01
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	1	1.01
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	3	1.01
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	6	1.01
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	7	1.01
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	8	1.01
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	12	1.01
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	17	1.01
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	19	1.01
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	2	1.01
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	12	1.01
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	13	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	14	1.01
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	2	1.01
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	2	1.01
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	2	1.01
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	2	1.01
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	18	1.01
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	18	1.01
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	18	1.01
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	20	1.01
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	16	1.01
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	19	1.01
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	1	1.01
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	2	1.01
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	3	1.01
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	12	1.01
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	13	1.01
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	15	1.01
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	18	1.01
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	2	1.01
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	8	1.01
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	10	1.01
(2,2690)	1:23:A:ARG:HB3	1:23:A:ARG:HA	20	1.01
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	16	1.01
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	15	1.01
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	15	1.01
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	15	1.01
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	18	1.01
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	18	1.01
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	18	1.01
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	10	1.01
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	9	1.01
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	9	1.01
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	9	1.01
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	5	1.01
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	7	1.01
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	15	1.01
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	5	1.01
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	8	1.01
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	15	1.01
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	18	1.01
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	15	1.01
(2,2345)	1:29:A:LEU:HD21	1:29:A:LEU:H	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2345)	1:29:A:LEU:HD22	1:29:A:LEU:H	6	1.01
(2,2345)	1:29:A:LEU:HD23	1:29:A:LEU:H	6	1.01
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	1	1.01
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	17	1.01
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	16	1.01
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	8	1.01
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	6	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	1	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	2	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	6	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	7	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	8	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	9	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	10	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	11	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	14	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	15	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	16	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	18	1.01
(2,2187)	1:78:A:VAL:HB	1:78:A:VAL:HA	19	1.01
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	5	1.01
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	5	1.01
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	5	1.01
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	6	1.01
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	6	1.01
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	6	1.01
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	3	1.01
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	3	1.01
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	1	1.01
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	9	1.01
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	10	1.01
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	12	1.01
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	13	1.01
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	15	1.01
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	17	1.01
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	18	1.01
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	19	1.01
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	20	1.01
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	16	1.01
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	2	1.01
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	3	1.01
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	5	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	14	1.01
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	3	1.01
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	6	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	1	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	2	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	3	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	4	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	6	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	7	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	8	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	9	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	10	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	12	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	13	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	14	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	16	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	17	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	18	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	19	1.01
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	20	1.01
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	4	1.01
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	3	1.01
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	7	1.01
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	12	1.01
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	16	1.01
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	3	1.01
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	16	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	1	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	2	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	3	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	4	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	5	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	6	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	7	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	8	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	9	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	10	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	11	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	12	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	13	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	14	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	16	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	17	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	19	1.01
(2,1809)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	20	1.01
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	14	1.01
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	14	1.01
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	14	1.01
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	15	1.01
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	15	1.01
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	15	1.01
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	7	1.01
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	20	1.01
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	1	1.01
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	4	1.01
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	4	1.01
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	4	1.01
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	1	1.01
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	7	1.01
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	13	1.01
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	13	1.01
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	20	1.01
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	6	1.01
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	6	1.01
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	6	1.01
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	15	1.01
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	14	1.01
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	20	1.01
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	6	1.01
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	19	1.01
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	17	1.01
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	18	1.01
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	1	1.01
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	3	1.01
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	6	1.01
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	1	1.01
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	10	1.01
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	19	1.01
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	19	1.01
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	19	1.01
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	6	1.01
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	12	1.01
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	18	1.01
(2,1577)	1:13:A:ASP:HB3	1:13:A:ASP:HA	11	1.01
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	4	1.01
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	15	1.01
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	10	1.01
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	15	1.01
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	13	1.01
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	18	1.01
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	4	1.01
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	4	1.01
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	4	1.01
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	15	1.01
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	15	1.01
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	15	1.01
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	18	1.01
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	18	1.01
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	18	1.01
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	7	1.01
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	7	1.01
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	12	1.01
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	4	1.01
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	6	1.01
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	1	1.01
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	5	1.01
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	18	1.01
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	3	1.01
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	3	1.01
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	3	1.01
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	4	1.01
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	4	1.01
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	4	1.01
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	16	1.01
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	16	1.01
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	16	1.01
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	20	1.01
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	20	1.01
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	20	1.01
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	1	1.01
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	3	1.01
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	6	1.01
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	12	1.01
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	17	1.01
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	18	1.01
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	20	1.01
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	1	1.01
(2,1173)	1:72:A:LEU:HA	1:72:A:LEU:HG	11	1.01
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	16	1.01
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	11	1.01
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	6	1.01
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	6	1.01
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	6	1.01
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	14	1.01
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	14	1.01
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	14	1.01
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	8	1.01
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	11	1.01
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	10	1.01
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	10	1.01
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	6	1.01
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	20	1.01
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	4	1.01
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	11	1.01
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	1	1.01
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	5	1.01
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	6	1.01
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	9	1.01
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	13	1.01
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	15	1.01
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	5	1.01
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	1	1.01
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	3	1.01
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	11	1.01
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	13	1.01
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	14	1.01
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	12	1.01
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	19	1.01
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	19	1.01
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	19	1.01
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	4	1.01
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	4	1.01
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	17	1.01
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	2	1.01
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	17	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	17	1.01
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	17	1.01
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	20	1.01
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	4	1.01
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	14	1.01
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	17	1.01
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	5	1.01
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	20	1.01
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	6	1.01
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	6	1.01
(2,406)	1:15:A:LEU:HB2	1:15:A:LEU:HB3	13	1.01
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	12	1.01
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	9	1.01
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	19	1.01
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	20	1.01
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	3	1.01
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	13	1.01
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	9	1.01
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	14	1.01
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	16	1.01
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	17	1.01
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	2	1.01
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	4	1.01
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	8	1.01
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	9	1.01
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	12	1.01
(2,145)	1:33:A:ASN:HB2	1:33:A:ASN:HA	8	1.01
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	5	1.01
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	16	1.01
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	9	1.01
(2,94)	1:92:A:GLN:HA	1:92:A:GLN:H	11	1.01
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	17	1.01
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	11	1.01
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	14	1.01
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	3	1.0
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	7	1.0
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	7	1.0
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	7	1.0
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	15	1.0
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	15	1.0
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	15	1.0
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	16	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	16	1.0
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	16	1.0
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	3	1.0
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	3	1.0
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	3	1.0
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	16	1.0
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	16	1.0
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	16	1.0
(4,1322)	1:166:A:ASN:H	1:166:A:ASN:HD21	8	1.0
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	6	1.0
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	6	1.0
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	6	1.0
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	5	1.0
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	19	1.0
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	5	1.0
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	5	1.0
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	8	1.0
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	8	1.0
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	9	1.0
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	12	1.0
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	13	1.0
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	1	1.0
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	6	1.0
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	8	1.0
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	9	1.0
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	13	1.0
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	18	1.0
(4,1078)	1:136:A:LYS:HG3	1:137:A:ALA:H	5	1.0
(4,1066)	1:97:A:GLU:H	1:97:A:GLU:HG2	19	1.0
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	6	1.0
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	6	1.0
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	6	1.0
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	1	1.0
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	5	1.0
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	13	1.0
(4,966)	1:2:A:ARG:HG3	1:2:A:ARG:H	5	1.0
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	7	1.0
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	7	1.0
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	7	1.0
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	8	1.0
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	8	1.0
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	8	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,740)	1:88:A:LYS:HG3	1:88:A:LYS:H	3	1.0
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	19	1.0
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	6	1.0
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	19	1.0
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	9	1.0
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	8	1.0
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	10	1.0
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	10	1.0
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	10	1.0
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	17	1.0
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	11	1.0
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	11	1.0
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	11	1.0
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	15	1.0
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	5	1.0
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	9	1.0
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	19	1.0
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	4	1.0
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	4	1.0
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	4	1.0
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	6	1.0
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	6	1.0
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	6	1.0
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	6	1.0
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	9	1.0
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	9	1.0
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	9	1.0
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	9	1.0
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	10	1.0
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	10	1.0
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	10	1.0
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	10	1.0
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	14	1.0
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	14	1.0
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	14	1.0
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	14	1.0
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	17	1.0
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	17	1.0
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	17	1.0
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	17	1.0
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	17	1.0
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	17	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	3	1.0
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	3	1.0
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	8	1.0
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	8	1.0
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	10	1.0
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	10	1.0
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	15	1.0
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	15	1.0
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	2	1.0
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	2	1.0
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	2	1.0
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	4	1.0
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	4	1.0
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	4	1.0
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	6	1.0
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	6	1.0
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	6	1.0
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	7	1.0
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	7	1.0
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	7	1.0
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	8	1.0
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	8	1.0
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	8	1.0
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	14	1.0
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	14	1.0
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	14	1.0
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	15	1.0
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	15	1.0
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	15	1.0
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	16	1.0
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	16	1.0
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	16	1.0
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	18	1.0
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	18	1.0
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	18	1.0
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	20	1.0
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	20	1.0
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	20	1.0
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	5	1.0
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	11	1.0
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	14	1.0
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	20	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3087)	1:89:A:ILE:HG12	1:89:A:ILE:HB	15	1.0
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	4	1.0
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	4	1.0
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	16	1.0
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	10	1.0
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	16	1.0
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	16	1.0
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	16	1.0
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	17	1.0
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	17	1.0
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	17	1.0
(2,2948)	1:11:A:GLN:HA	1:11:A:GLN:HG3	17	1.0
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	3	1.0
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	3	1.0
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	3	1.0
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	10	1.0
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	10	1.0
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	10	1.0
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	11	1.0
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	11	1.0
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	11	1.0
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	15	1.0
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	15	1.0
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	15	1.0
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	16	1.0
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	16	1.0
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	16	1.0
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	17	1.0
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	17	1.0
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	17	1.0
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	17	1.0
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	18	1.0
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	2	1.0
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	4	1.0
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	5	1.0
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	4	1.0
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	7	1.0
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	11	1.0
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	16	1.0
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	20	1.0
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	6	1.0
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	8	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	1	1.0
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	1	1.0
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	1	1.0
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	20	1.0
(2,2787)	1:87:A:GLY:HA3	1:88:A:LYS:H	9	1.0
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	4	1.0
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	5	1.0
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	6	1.0
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	7	1.0
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	16	1.0
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	19	1.0
(2,2738)	1:121:A:GLN:HB2	1:121:A:GLN:HA	20	1.0
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	11	1.0
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	8	1.0
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	1	1.0
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	1	1.0
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	1	1.0
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	13	1.0
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	13	1.0
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	13	1.0
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	13	1.0
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	14	1.0
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	16	1.0
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	14	1.0
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	15	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	1	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	1	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	1	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	8	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	8	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	8	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	10	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	10	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	10	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	13	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	13	1.0
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	13	1.0
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	1	1.0
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	11	1.0
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	11	1.0
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	11	1.0
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	4	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	11	1.0
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	4	1.0
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	9	1.0
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	11	1.0
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	12	1.0
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	13	1.0
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	19	1.0
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	7	1.0
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	7	1.0
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	9	1.0
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	10	1.0
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	7	1.0
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	3	1.0
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	7	1.0
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	7	1.0
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	18	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	1	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	2	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	3	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	4	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	5	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	6	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	7	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	8	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	9	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	10	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	11	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	12	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	13	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	14	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	15	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	17	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	18	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	19	1.0
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	20	1.0
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	8	1.0
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	9	1.0
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	7	1.0
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	11	1.0
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	13	1.0
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	19	1.0
(2,2214)	1:54:A:PRO:HD3	1:5:A:LEU:HA	8	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	1	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	1	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	1	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	2	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	2	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	2	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	3	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	3	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	3	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	4	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	4	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	4	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	8	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	8	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	8	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	11	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	11	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	11	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	12	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	12	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	12	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	13	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	13	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	13	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	15	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	15	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	15	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	16	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	16	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	16	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	18	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	18	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	18	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	20	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	20	1.0
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	20	1.0
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	11	1.0
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	6	1.0
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	8	1.0
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	20	1.0
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	3	1.0
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	5	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	1	1.0
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	3	1.0
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	4	1.0
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	7	1.0
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	11	1.0
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	14	1.0
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	18	1.0
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	20	1.0
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	3	1.0
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	4	1.0
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	6	1.0
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	12	1.0
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	13	1.0
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	14	1.0
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	15	1.0
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	17	1.0
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	3	1.0
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	5	1.0
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	6	1.0
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	5	1.0
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	11	1.0
(2,1947)	1:53:A:ASP:HB3	1:53:A:ASP:HA	15	1.0
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	18	1.0
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	9	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	2	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	4	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	6	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	7	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	9	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	10	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	11	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	12	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	13	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	14	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	17	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	18	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	19	1.0
(2,1842)	1:80:A:LYS:HG2	1:80:A:LYS:HG3	20	1.0
(2,1816)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	18	1.0
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	9	1.0
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	1	1.0
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	18	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	2	1.0
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	15	1.0
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	17	1.0
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	2	1.0
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	15	1.0
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	7	1.0
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	9	1.0
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	17	1.0
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	4	1.0
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	16	1.0
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	17	1.0
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	4	1.0
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	7	1.0
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	7	1.0
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	11	1.0
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	9	1.0
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	18	1.0
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	14	1.0
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	10	1.0
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	2	1.0
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	6	1.0
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	11	1.0
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	14	1.0
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	17	1.0
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	18	1.0
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	19	1.0
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	3	1.0
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	3	1.0
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	3	1.0
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	6	1.0
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	6	1.0
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	6	1.0
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	9	1.0
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	9	1.0
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	9	1.0
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	10	1.0
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	10	1.0
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	10	1.0
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	12	1.0
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	12	1.0
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	12	1.0
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	14	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	14	1.0
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	14	1.0
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	20	1.0
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	20	1.0
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	20	1.0
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	1	1.0
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	4	1.0
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	10	1.0
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	13	1.0
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	18	1.0
(2,1286)	1:23:A:ARG:HD2	1:23:A:ARG:HG3	18	1.0
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	9	1.0
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	6	1.0
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	6	1.0
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	6	1.0
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	12	1.0
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	12	1.0
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	12	1.0
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	13	1.0
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	13	1.0
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	13	1.0
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	2	1.0
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	4	1.0
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	5	1.0
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	7	1.0
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	8	1.0
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	9	1.0
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	10	1.0
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	11	1.0
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	13	1.0
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	14	1.0
(2,1205)	1:156:A:ILE:HA	1:156:A:ILE:H	19	1.0
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	1	1.0
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	3	1.0
(2,1157)	1:131:A:PRO:HB2	1:132:A:ALA:H	10	1.0
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	11	1.0
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	1	1.0
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	1	1.0
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	1	1.0
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	4	1.0
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	4	1.0
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	4	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	2	1.0
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	10	1.0
(2,1103)	1:90:A:LEU:H	1:89:A:ILE:HA	11	1.0
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	8	1.0
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	14	1.0
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	5	1.0
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	17	1.0
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	7	1.0
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	7	1.0
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	7	1.0
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	9	1.0
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	16	1.0
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	7	1.0
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	15	1.0
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	18	1.0
(2,903)	1:54:A:PRO:HD3	1:55:A:TYR:H	16	1.0
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	8	1.0
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	20	1.0
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	4	1.0
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	5	1.0
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	7	1.0
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	8	1.0
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	10	1.0
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	12	1.0
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	15	1.0
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	16	1.0
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	17	1.0
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	19	1.0
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	20	1.0
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	9	1.0
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG21	9	1.0
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG22	9	1.0
(2,789)	1:64:A:SER:H	1:63:A:VAL:HG23	9	1.0
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	19	1.0
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	17	1.0
(2,659)	1:37:A:GLN:HA	1:37:A:GLN:HB3	3	1.0
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	3	1.0
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	13	1.0
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	14	1.0
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	8	1.0
(2,638)	1:79:A:MET:HG3	1:79:A:MET:HB2	12	1.0
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	1	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,529)	1:104:A:GLN:HG3	1:105:A:ARG:H	10	1.0
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	2	1.0
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	7	1.0
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	16	1.0
(2,506)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	18	1.0
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	14	1.0
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	15	1.0
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	8	1.0
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	6	1.0
(2,313)	1:155:A:SER:HB2	1:155:A:SER:H	16	1.0
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	6	1.0
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	9	1.0
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	14	1.0
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	15	1.0
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	18	1.0
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	19	1.0
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	6	1.0
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	17	1.0
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	10	1.0
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	20	1.0
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	15	1.0
(2,191)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	16	1.0
(2,159)	1:45:A:SER:HB2	1:45:A:SER:H	10	1.0
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	19	1.0
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	4	1.0
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	12	1.0
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	19	1.0
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	7	1.0
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	17	0.99
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	16	0.99
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	4	0.99
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	4	0.99
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	4	0.99
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	2	0.99
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	2	0.99
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	2	0.99
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	8	0.99
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	8	0.99
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	8	0.99
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	19	0.99
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	19	0.99
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	19	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	6	0.99
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	2	0.99
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	15	0.99
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	16	0.99
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	10	0.99
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	18	0.99
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	7	0.99
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	10	0.99
(4,1066)	1:97:A:GLU:H	1:97:A:GLU:HG2	5	0.99
(4,1066)	1:97:A:GLU:H	1:97:A:GLU:HG2	17	0.99
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	19	0.99
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	19	0.99
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	19	0.99
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	3	0.99
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	3	0.99
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	3	0.99
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	15	0.99
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	15	0.99
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	15	0.99
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	12	0.99
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	20	0.99
(4,740)	1:88:A:LYS:HG3	1:88:A:LYS:H	11	0.99
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	11	0.99
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	11	0.99
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	11	0.99
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	2	0.99
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	9	0.99
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	6	0.99
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	8	0.99
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	14	0.99
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	18	0.99
(4,522)	1:169:A:SER:H	1:169:A:SER:HA	20	0.99
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	9	0.99
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	10	0.99
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	18	0.99
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	9	0.99
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	9	0.99
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	9	0.99
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	6	0.99
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	16	0.99
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	2	0.99
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	7	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	8	0.99
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	14	0.99
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	18	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	1	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	1	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	1	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	1	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	2	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	2	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	2	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	2	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	3	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	3	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	3	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	3	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	4	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	4	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	4	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	4	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	5	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	5	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	5	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	5	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	7	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	7	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	7	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	7	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	8	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	8	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	8	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	8	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	11	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	11	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	11	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	11	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	12	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	12	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	12	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	12	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	13	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	13	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	13	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	13	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	15	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	15	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	15	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	15	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	16	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	16	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	16	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	16	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	17	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	17	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	17	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	17	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	18	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	18	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	18	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	18	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	19	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	19	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	19	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	19	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE1	20	0.99
(3,61)	1:7:A:TYR:HD1	1:7:A:TYR:HE2	20	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE1	20	0.99
(3,61)	1:7:A:TYR:HD2	1:7:A:TYR:HE2	20	0.99
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	5	0.99
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	5	0.99
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	5	0.99
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	5	0.99
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	5	0.99
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	5	0.99
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	1	0.99
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	1	0.99
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	1	0.99
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	1	0.99
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	1	0.99
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	1	0.99
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	5	0.99
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	5	0.99
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	12	0.99
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	12	0.99
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	19	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	19	0.99
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	10	0.99
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	10	0.99
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	10	0.99
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	10	0.99
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	12	0.99
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	12	0.99
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	12	0.99
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	12	0.99
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	16	0.99
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	16	0.99
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	16	0.99
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	16	0.99
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	17	0.99
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	17	0.99
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	17	0.99
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	17	0.99
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	19	0.99
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	19	0.99
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	19	0.99
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	19	0.99
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	20	0.99
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	20	0.99
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	20	0.99
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	20	0.99
(2,3193)	1:95:A:THR:HG21	1:95:A:THR:HA	10	0.99
(2,3193)	1:95:A:THR:HG22	1:95:A:THR:HA	10	0.99
(2,3193)	1:95:A:THR:HG23	1:95:A:THR:HA	10	0.99
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	2	0.99
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	13	0.99
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	18	0.99
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	18	0.99
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	6	0.99
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	8	0.99
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	14	0.99
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	5	0.99
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	16	0.99
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	19	0.99
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	14	0.99
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	18	0.99
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	20	0.99
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	9	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	16	0.99
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	19	0.99
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	10	0.99
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	11	0.99
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	19	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	1	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	1	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	1	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	2	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	2	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	2	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	3	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	3	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	3	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	4	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	4	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	4	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	5	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	5	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	5	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	6	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	6	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	6	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	7	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	7	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	7	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	8	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	8	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	8	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	9	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	9	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	9	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	10	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	10	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	10	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	11	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	11	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	11	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	12	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	12	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	12	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	13	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	13	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	13	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	14	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	14	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	14	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	15	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	15	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	15	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	16	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	16	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	16	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	18	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	18	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	18	0.99
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	20	0.99
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	20	0.99
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	20	0.99
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	12	0.99
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	12	0.99
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	12	0.99
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	20	0.99
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	20	0.99
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	20	0.99
(2,2918)	1:105:A:ARG:H	1:104:A:GLN:HA	12	0.99
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	9	0.99
(2,2914)	1:159:A:ASN:HB3	1:159:A:ASN:HD22	15	0.99
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	6	0.99
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	15	0.99
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	17	0.99
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	18	0.99
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	19	0.99
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	3	0.99
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	4	0.99
(2,2880)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	7	0.99
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	11	0.99
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	11	0.99
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	11	0.99
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	12	0.99
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	12	0.99
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	12	0.99
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	15	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	1	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	2	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	3	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	4	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	5	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	6	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	7	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	8	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	9	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	10	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	11	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	12	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	13	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	14	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	15	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	16	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	17	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	18	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	19	0.99
(2,2739)	1:39:A:GLY:HA2	1:39:A:GLY:HA3	20	0.99
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	20	0.99
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	15	0.99
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	18	0.99
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	7	0.99
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	7	0.99
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	7	0.99
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	2	0.99
(2,2625)	1:123:A:TYR:HB3	1:123:A:TYR:H	17	0.99
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	17	0.99
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	16	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	2	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	2	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	2	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	3	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	3	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	3	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	7	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	7	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	7	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	11	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	11	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	11	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	14	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	14	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	14	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	20	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	20	0.99
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	20	0.99
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	14	0.99
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	2	0.99
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	2	0.99
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	2	0.99
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	20	0.99
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	14	0.99
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	16	0.99
(2,2450)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	20	0.99
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	6	0.99
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	11	0.99
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	1	0.99
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	6	0.99
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	8	0.99
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	10	0.99
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	5	0.99
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	6	0.99
(2,2246)	1:24:A:ILE:HB	1:24:A:ILE:HG12	16	0.99
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	20	0.99
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	4	0.99
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	14	0.99
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	7	0.99
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	7	0.99
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	7	0.99
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	10	0.99
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	10	0.99
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	10	0.99
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	14	0.99
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	14	0.99
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	14	0.99
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	16	0.99
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	18	0.99
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	2	0.99
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	9	0.99
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	11	0.99
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	13	0.99
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	15	0.99
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	18	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	12	0.99
(2,2060)	1:119:A:SER:HA	1:119:A:SER:HB3	11	0.99
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	12	0.99
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	16	0.99
(2,2046)	1:148:A:LYS:HG2	1:148:A:LYS:HB3	17	0.99
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	2	0.99
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	5	0.99
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	8	0.99
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	12	0.99
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	15	0.99
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	17	0.99
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	19	0.99
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	5	0.99
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	9	0.99
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	16	0.99
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	19	0.99
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	20	0.99
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	2	0.99
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	3	0.99
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	19	0.99
(2,1923)	1:77:A:ARG:HG2	1:77:A:ARG:HA	13	0.99
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	5	0.99
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	1	0.99
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	4	0.99
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	12	0.99
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	17	0.99
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	14	0.99
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	14	0.99
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	14	0.99
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	2	0.99
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	2	0.99
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	2	0.99
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	18	0.99
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	8	0.99
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	13	0.99
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	16	0.99
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	4	0.99
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	14	0.99
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	9	0.99
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	9	0.99
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	9	0.99
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	18	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	17	0.99
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	1	0.99
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	4	0.99
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	11	0.99
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	12	0.99
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	1	0.99
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	2	0.99
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	3	0.99
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	7	0.99
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	8	0.99
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	10	0.99
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	13	0.99
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	14	0.99
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	20	0.99
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	1	0.99
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	5	0.99
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	6	0.99
(2,1663)	1:60:A:HIS:HB2	1:60:A:HIS:HD2	15	0.99
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	17	0.99
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	19	0.99
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	8	0.99
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	9	0.99
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	12	0.99
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	10	0.99
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	3	0.99
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	9	0.99
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	15	0.99
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	20	0.99
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	6	0.99
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	3	0.99
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	9	0.99
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	5	0.99
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	1	0.99
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	1	0.99
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	1	0.99
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	2	0.99
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	2	0.99
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	2	0.99
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	7	0.99
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	7	0.99
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	7	0.99
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	8	0.99
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	8	0.99
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	11	0.99
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	11	0.99
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	11	0.99
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	13	0.99
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	13	0.99
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	13	0.99
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	16	0.99
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	16	0.99
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	16	0.99
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	17	0.99
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	17	0.99
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	17	0.99
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	19	0.99
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	19	0.99
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	19	0.99
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	1	0.99
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	1	0.99
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	1	0.99
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	7	0.99
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	7	0.99
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	7	0.99
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	15	0.99
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	15	0.99
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	15	0.99
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	2	0.99
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	6	0.99
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	11	0.99
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	20	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	1	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	1	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	1	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	7	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	7	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	7	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	10	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	10	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	10	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	15	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	15	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	15	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	18	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	18	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	18	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	19	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	19	0.99
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	19	0.99
(2,1231)	1:167:A:ARG:HD3	1:167:A:ARG:HA	5	0.99
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	5	0.99
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	8	0.99
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	13	0.99
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	17	0.99
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	19	0.99
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	2	0.99
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	2	0.99
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	2	0.99
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	10	0.99
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	10	0.99
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	10	0.99
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	4	0.99
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	12	0.99
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	18	0.99
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	1	0.99
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	3	0.99
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	6	0.99
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	7	0.99
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	9	0.99
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	12	0.99
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	13	0.99
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	15	0.99
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	16	0.99
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	17	0.99
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	18	0.99
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	20	0.99
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	8	0.99
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	6	0.99
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	13	0.99
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	13	0.99
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	13	0.99
(2,933)	1:92:A:GLN:HA	1:92:A:GLN:HG2	8	0.99
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	3	0.99
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	7	0.99
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	19	0.99
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	2	0.99
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	4	0.99
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	16	0.99
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	18	0.99
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	16	0.99
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	6	0.99
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	9	0.99
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	13	0.99
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	9	0.99
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD11	11	0.99
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD12	11	0.99
(2,786)	1:72:A:LEU:H	1:72:A:LEU:HD13	11	0.99
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	11	0.99
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	1	0.99
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	2	0.99
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	4	0.99
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	7	0.99
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	8	0.99
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	9	0.99
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	10	0.99
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	15	0.99
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	19	0.99
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	20	0.99
(2,536)	1:140:A:LYS:HG3	1:140:A:LYS:HB2	15	0.99
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	6	0.99
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	6	0.99
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	6	0.99
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	3	0.99
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	11	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	1	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	2	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	3	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	4	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	6	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	7	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	8	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	11	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	12	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	14	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	17	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	18	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	19	0.99
(2,465)	1:153:A:LEU:HB2	1:153:A:LEU:HA	20	0.99
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	5	0.99
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	17	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	1	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	1	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	1	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	1	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	1	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	1	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	1	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	1	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	1	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	6	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	6	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	6	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	6	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	6	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	6	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	6	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	6	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	6	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	7	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	7	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	7	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	7	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	7	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	7	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	7	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	7	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	7	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	10	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	10	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	10	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	10	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	10	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	10	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	10	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	10	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	10	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	11	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	11	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	11	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	11	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	11	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	11	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	11	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	11	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	11	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	14	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	14	0.99
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	14	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	14	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	14	0.99
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	14	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	14	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	14	0.99
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	14	0.99
(2,340)	1:107:A:PRO:HD3	1:107:A:PRO:HA	16	0.99
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	13	0.99
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	2	0.99
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	4	0.99
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	5	0.99
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	16	0.99
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	17	0.99
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	16	0.99
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	9	0.99
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	12	0.99
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	2	0.99
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	4	0.99
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	10	0.99
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	16	0.99
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	4	0.99
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	13	0.99
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	16	0.99
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	18	0.99
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	19	0.99
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	14	0.99
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	18	0.99
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	1	0.99
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	13	0.99
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	13	0.99
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	13	0.99
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	13	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	13	0.99
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	13	0.99
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	19	0.98
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	2	0.98
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	2	0.98
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	2	0.98
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	11	0.98
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	11	0.98
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	11	0.98
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	14	0.98
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	14	0.98
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	14	0.98
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	5	0.98
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	10	0.98
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	10	0.98
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	10	0.98
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	15	0.98
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	15	0.98
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	15	0.98
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	4	0.98
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	7	0.98
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	12	0.98
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	4	0.98
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	12	0.98
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	4	0.98
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	7	0.98
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	10	0.98
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	13	0.98
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	20	0.98
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	7	0.98
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	14	0.98
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	14	0.98
(4,1197)	1:113:A:ALA:HB1	1:114:A:TYR:H	20	0.98
(4,1197)	1:113:A:ALA:HB2	1:114:A:TYR:H	20	0.98
(4,1197)	1:113:A:ALA:HB3	1:114:A:TYR:H	20	0.98
(4,1151)	1:84:A:ILE:HG13	1:84:A:ILE:H	5	0.98
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	1	0.98
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	1	0.98
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	1	0.98
(4,1063)	1:80:A:LYS:HD3	1:81:A:THR:H	12	0.98
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	12	0.98
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	7	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,974)	1:37:A:GLN:HG3	1:38:A:ALA:H	16	0.98
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	1	0.98
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	1	0.98
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	1	0.98
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	5	0.98
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	5	0.98
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	5	0.98
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	9	0.98
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	9	0.98
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	9	0.98
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	10	0.98
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	10	0.98
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	10	0.98
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	12	0.98
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	11	0.98
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	13	0.98
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	1	0.98
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	20	0.98
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	1	0.98
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	11	0.98
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	5	0.98
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	11	0.98
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	9	0.98
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	8	0.98
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	8	0.98
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	8	0.98
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	15	0.98
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	15	0.98
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	15	0.98
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	18	0.98
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	18	0.98
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	18	0.98
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	20	0.98
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	5	0.98
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	15	0.98
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	16	0.98
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	17	0.98
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	13	0.98
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	13	0.98
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	15	0.98
(4,7)	1:47:A:VAL:HG21	1:47:A:VAL:H	12	0.98
(4,7)	1:47:A:VAL:HG22	1:47:A:VAL:H	12	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,7)	1:47:A:VAL:HG23	1:47:A:VAL:H	12	0.98
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	9	0.98
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	9	0.98
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	9	0.98
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	9	0.98
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	9	0.98
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	9	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	1	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	1	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	1	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	1	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	2	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	2	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	2	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	2	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	3	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	3	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	3	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	3	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	4	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	4	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	4	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	4	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	5	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	5	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	5	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	5	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	6	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	6	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	6	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	6	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	7	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	7	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	7	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	7	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	8	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	8	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	8	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	8	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	9	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	9	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	9	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	9	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	11	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	11	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	11	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	11	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	13	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	13	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	13	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	13	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	14	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	14	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	14	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	14	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	15	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	15	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	15	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	15	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	18	0.98
(3,5)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	18	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	18	0.98
(3,5)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	18	0.98
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	10	0.98
(2,3181)	1:8:A:GLN:HB3	1:8:A:GLN:H	12	0.98
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	3	0.98
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	4	0.98
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	5	0.98
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	12	0.98
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	13	0.98
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	14	0.98
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	16	0.98
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	17	0.98
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	19	0.98
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	20	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	1	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	2	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	3	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	4	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	5	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	6	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	7	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	8	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	9	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	10	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	11	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	12	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	13	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	14	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	15	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	16	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	17	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	19	0.98
(2,3141)	1:88:A:LYS:HB2	1:88:A:LYS:HB3	20	0.98
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	1	0.98
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	3	0.98
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	4	0.98
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	9	0.98
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	15	0.98
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	16	0.98
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	5	0.98
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	10	0.98
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	12	0.98
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	17	0.98
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	9	0.98
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	13	0.98
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	14	0.98
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	14	0.98
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	14	0.98
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	6	0.98
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	7	0.98
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	15	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	1	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	2	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	3	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	4	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	5	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	6	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	7	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	8	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	9	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	12	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	13	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	14	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	15	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	16	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	17	0.98
(2,3010)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	18	0.98
(2,2995)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	19	0.98
(2,2995)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	19	0.98
(2,2995)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	19	0.98
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	13	0.98
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	7	0.98
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	2	0.98
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	4	0.98
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	5	0.98
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	13	0.98
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	19	0.98
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	1	0.98
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	8	0.98
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	9	0.98
(2,2908)	1:78:A:VAL:H	1:78:A:VAL:HB	10	0.98
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	14	0.98
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	14	0.98
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	14	0.98
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	6	0.98
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	9	0.98
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	9	0.98
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	9	0.98
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	5	0.98
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	2	0.98
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	3	0.98
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	4	0.98
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	5	0.98
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	9	0.98
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	11	0.98
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	13	0.98
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	14	0.98
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	16	0.98
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	19	0.98
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	3	0.98
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	4	0.98
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	13	0.98
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	18	0.98
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	14	0.98
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	14	0.98
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	14	0.98
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	17	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	17	0.98
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	17	0.98
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	11	0.98
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	9	0.98
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	15	0.98
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	7	0.98
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	13	0.98
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	9	0.98
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	7	0.98
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	8	0.98
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	8	0.98
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	15	0.98
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	1	0.98
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	4	0.98
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	10	0.98
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	14	0.98
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	15	0.98
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	20	0.98
(2,2240)	1:34:A:PRO:HG3	1:34:A:PRO:HA	18	0.98
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	6	0.98
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	10	0.98
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	13	0.98
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	17	0.98
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	19	0.98
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	18	0.98
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	2	0.98
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	14	0.98
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	9	0.98
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	18	0.98
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	9	0.98
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	9	0.98
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	9	0.98
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	17	0.98
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	17	0.98
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	17	0.98
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG21	19	0.98
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG22	19	0.98
(2,2179)	1:164:A:THR:H	1:164:A:THR:HG23	19	0.98
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	7	0.98
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	15	0.98
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	1	0.98
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	3	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	7	0.98
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	8	0.98
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	10	0.98
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	14	0.98
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	16	0.98
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	17	0.98
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	19	0.98
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	17	0.98
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	5	0.98
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	8	0.98
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	4	0.98
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	7	0.98
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	20	0.98
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	9	0.98
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	10	0.98
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	13	0.98
(2,1961)	1:154:A:ALA:HA	1:154:A:ALA:H	16	0.98
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	8	0.98
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	17	0.98
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	20	0.98
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	6	0.98
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	6	0.98
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	6	0.98
(2,1920)	1:6:A:THR:HA	1:6:A:THR:HB	4	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	1	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	2	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	3	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	4	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	5	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	6	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	7	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	8	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	9	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	10	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	11	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	12	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	13	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	14	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	15	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	16	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	17	0.98
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1831)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	19	0.98
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	5	0.98
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	7	0.98
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	15	0.98
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	18	0.98
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	19	0.98
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	20	0.98
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	4	0.98
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	4	0.98
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	4	0.98
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	5	0.98
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	5	0.98
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	5	0.98
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	11	0.98
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	11	0.98
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	11	0.98
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	12	0.98
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	12	0.98
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	12	0.98
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	16	0.98
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	16	0.98
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	16	0.98
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	18	0.98
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	18	0.98
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	18	0.98
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	19	0.98
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	19	0.98
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	19	0.98
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	20	0.98
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	20	0.98
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	20	0.98
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	9	0.98
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	9	0.98
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	9	0.98
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	11	0.98
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	11	0.98
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	11	0.98
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	15	0.98
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	15	0.98
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	15	0.98
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	20	0.98
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	20	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	20	0.98
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	1	0.98
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	9	0.98
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	14	0.98
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	11	0.98
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	10	0.98
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	19	0.98
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	2	0.98
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	18	0.98
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	5	0.98
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	5	0.98
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	5	0.98
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	11	0.98
(2,1684)	1:104:A:GLN:H	1:104:A:GLN:HA	18	0.98
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	4	0.98
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	20	0.98
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	3	0.98
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	7	0.98
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	15	0.98
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	15	0.98
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	15	0.98
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	15	0.98
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	1	0.98
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	1	0.98
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	13	0.98
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	8	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	1	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	2	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	3	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	4	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	5	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	6	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	7	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	8	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	9	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	10	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	11	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	13	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	14	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	15	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	16	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	17	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	18	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	19	0.98
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	20	0.98
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	1	0.98
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	3	0.98
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	9	0.98
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	11	0.98
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	18	0.98
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	4	0.98
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	12	0.98
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	14	0.98
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	16	0.98
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	17	0.98
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	18	0.98
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	19	0.98
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	19	0.98
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	2	0.98
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	2	0.98
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	2	0.98
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	2	0.98
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	11	0.98
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	1	0.98
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	4	0.98
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	10	0.98
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	19	0.98
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	9	0.98
(2,1372)	1:18:A:ILE:HG21	1:18:A:ILE:H	5	0.98
(2,1372)	1:18:A:ILE:HG22	1:18:A:ILE:H	5	0.98
(2,1372)	1:18:A:ILE:HG23	1:18:A:ILE:H	5	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	2	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	2	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	2	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	3	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	3	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	3	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	6	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	6	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	6	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	8	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	8	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	8	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	9	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	9	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	9	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	10	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	10	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	10	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	13	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	13	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	13	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	14	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	14	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	14	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	18	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	18	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	18	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	19	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	19	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	19	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	20	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	20	0.98
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	20	0.98
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	3	0.98
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	9	0.98
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	7	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	1	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	3	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	4	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	5	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	6	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	7	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	9	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	10	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	11	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	13	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	14	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	15	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	16	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	17	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	18	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	19	0.98
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	20	0.98
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	2	0.98
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	2	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	2	0.98
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	17	0.98
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	17	0.98
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	17	0.98
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	11	0.98
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	20	0.98
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	17	0.98
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	17	0.98
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	17	0.98
(2,1125)	1:101:A:ILE:HD11	1:102:A:ASN:H	18	0.98
(2,1125)	1:101:A:ILE:HD12	1:102:A:ASN:H	18	0.98
(2,1125)	1:101:A:ILE:HD13	1:102:A:ASN:H	18	0.98
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	7	0.98
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	14	0.98
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	15	0.98
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	2	0.98
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	4	0.98
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	5	0.98
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	11	0.98
(2,1097)	1:24:A:ILE:HA	1:25:A:SER:H	19	0.98
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	3	0.98
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	10	0.98
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	10	0.98
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	10	0.98
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	10	0.98
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	16	0.98
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	16	0.98
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	16	0.98
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	7	0.98
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	9	0.98
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	15	0.98
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	20	0.98
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	9	0.98
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	17	0.98
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	3	0.98
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	19	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	1	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	3	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	5	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	6	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	7	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	9	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	10	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	11	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	12	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	13	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	14	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	15	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	17	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	19	0.98
(2,828)	1:34:A:PRO:HB3	1:34:A:PRO:HA	20	0.98
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	18	0.98
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	11	0.98
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	17	0.98
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	18	0.98
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	6	0.98
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	18	0.98
(2,790)	1:57:A:ILE:HA	1:57:A:ILE:HG12	19	0.98
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	5	0.98
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	6	0.98
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	12	0.98
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	16	0.98
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	18	0.98
(2,644)	1:18:A:ILE:HG21	1:19:A:ALA:H	11	0.98
(2,644)	1:18:A:ILE:HG22	1:19:A:ALA:H	11	0.98
(2,644)	1:18:A:ILE:HG23	1:19:A:ALA:H	11	0.98
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	11	0.98
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	17	0.98
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	19	0.98
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	13	0.98
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	3	0.98
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	3	0.98
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	9	0.98
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	4	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	2	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	2	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	2	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	2	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	2	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	2	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	2	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	2	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	2	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	3	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	3	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	3	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	3	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	3	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	3	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	3	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	3	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	3	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	4	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	4	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	4	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	4	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	4	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	4	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	4	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	4	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	4	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	5	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	5	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	5	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	5	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	5	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	5	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	5	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	5	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	5	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	8	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	8	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	8	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	8	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	8	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	8	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	8	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	8	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	8	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	9	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	9	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	9	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	9	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	9	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	9	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	9	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	9	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	9	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	12	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	12	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	12	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	12	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	12	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	12	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	12	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	12	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	12	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	13	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	13	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	13	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	13	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	13	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	13	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	13	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	13	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	13	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	15	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	15	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	15	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	15	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	15	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	15	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	15	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	15	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	15	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	16	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	16	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	16	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	16	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	16	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	16	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	16	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	16	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	16	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	18	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	18	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	18	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	18	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	18	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	18	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	18	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	18	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	19	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	19	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	19	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	19	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	19	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	19	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	19	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	19	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	19	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	20	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	20	0.98
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	20	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	20	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	20	0.98
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	20	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	20	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	20	0.98
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	20	0.98
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	1	0.98
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	10	0.98
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	12	0.98
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	17	0.98
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	3	0.98
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	5	0.98
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	6	0.98
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	19	0.98
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	20	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	1	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	3	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	4	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	6	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	9	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	10	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	11	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	12	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	13	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	14	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	15	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	17	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	18	0.98
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	20	0.98
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	19	0.98
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	5	0.98
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	12	0.98
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	13	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	1	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	2	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	3	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	4	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	5	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	6	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	7	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	8	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	9	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	10	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	11	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	13	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	14	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	15	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	16	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	17	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	18	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	19	0.98
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	20	0.98
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	5	0.98
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	7	0.98
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	8	0.98
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	14	0.98
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	6	0.98
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	5	0.98
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	5	0.98
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	5	0.98
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	5	0.98
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	5	0.98
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	5	0.98
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	6	0.97
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	9	0.97
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	1	0.97
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	1	0.97
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	1	0.97
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	3	0.97
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	3	0.97
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	3	0.97
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	13	0.97
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	13	0.97
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	13	0.97
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	8	0.97
(4,1415)	1:3:A:LYS:HG3	1:3:A:LYS:H	15	0.97
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	4	0.97
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	4	0.97
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	4	0.97
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	12	0.97
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	17	0.97
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	16	0.97
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	16	0.97
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	4	0.97
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	16	0.97
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	17	0.97
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	20	0.97
(4,1013)	1:71:A:THR:HB	1:62:A:ALA:H	20	0.97
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	4	0.97
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	13	0.97
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	13	0.97
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	13	0.97
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	11	0.97
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	20	0.97
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	1	0.97
(4,770)	1:30:A:LEU:HG	1:30:A:LEU:H	16	0.97
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	13	0.97
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	1	0.97
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	1	0.97
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	1	0.97
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	6	0.97
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	6	0.97
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	6	0.97
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	16	0.97
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	19	0.97
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	6	0.97
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	9	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	17	0.97
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	19	0.97
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	16	0.97
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	16	0.97
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	10	0.97
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	10	0.97
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	10	0.97
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	10	0.97
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	10	0.97
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	10	0.97
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	11	0.97
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	11	0.97
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	11	0.97
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	11	0.97
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	11	0.97
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	11	0.97
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	17	0.97
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	17	0.97
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	17	0.97
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	17	0.97
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	17	0.97
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	17	0.97
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	20	0.97
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	20	0.97
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	20	0.97
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	20	0.97
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	20	0.97
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	20	0.97
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	1	0.97
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	1	0.97
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD1	9	0.97
(3,14)	1:111:A:PHE:HB2	1:111:A:PHE:HD2	9	0.97
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	4	0.97
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	1	0.97
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	2	0.97
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	6	0.97
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	7	0.97
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	8	0.97
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	9	0.97
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	10	0.97
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	11	0.97
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	15	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3147)	1:78:A:VAL:HB	1:78:A:VAL:HA	18	0.97
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	2	0.97
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	5	0.97
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	10	0.97
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	12	0.97
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	17	0.97
(2,3140)	1:105:A:ARG:HB3	1:105:A:ARG:HG2	20	0.97
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	15	0.97
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	1	0.97
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	6	0.97
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	6	0.97
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	8	0.97
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	17	0.97
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	12	0.97
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	6	0.97
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	10	0.97
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	1	0.97
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	3	0.97
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	5	0.97
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	4	0.97
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	2	0.97
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	12	0.97
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	18	0.97
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	18	0.97
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	18	0.97
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	6	0.97
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	4	0.97
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	6	0.97
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	8	0.97
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	14	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	1	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	2	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	3	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	4	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	5	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	6	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	7	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	8	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	9	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	10	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	11	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	13	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	14	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	15	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	16	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	17	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	18	0.97
(2,2718)	1:143:A:ILE:HB	1:143:A:ILE:HA	19	0.97
(2,2672)	1:29:A:LEU:HA	1:29:A:LEU:HG	9	0.97
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	7	0.97
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	18	0.97
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	8	0.97
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	8	0.97
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	8	0.97
(2,2634)	1:120:A:LYS:HB2	1:120:A:LYS:HD3	20	0.97
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	1	0.97
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	6	0.97
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	8	0.97
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	10	0.97
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	12	0.97
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	15	0.97
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	18	0.97
(2,2605)	1:130:A:ASN:HA	1:130:A:ASN:HB3	20	0.97
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD11	18	0.97
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD12	18	0.97
(2,2597)	1:116:A:LEU:HB3	1:116:A:LEU:HD13	18	0.97
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	6	0.97
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	8	0.97
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	15	0.97
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	17	0.97
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	19	0.97
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	8	0.97
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	8	0.97
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	8	0.97
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	12	0.97
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	12	0.97
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	12	0.97
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	16	0.97
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	16	0.97
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	16	0.97
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	4	0.97
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	15	0.97
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	3	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	5	0.97
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	10	0.97
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	16	0.97
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	1	0.97
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	2	0.97
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	5	0.97
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	7	0.97
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	9	0.97
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	10	0.97
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	13	0.97
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	4	0.97
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	12	0.97
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	13	0.97
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	17	0.97
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	5	0.97
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	6	0.97
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	19	0.97
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	1	0.97
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	2	0.97
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	14	0.97
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	2	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	2	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	3	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	4	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	5	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	6	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	7	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	8	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	9	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	10	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	11	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	12	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	13	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	14	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	15	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	16	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	18	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	19	0.97
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	20	0.97
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	9	0.97
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	11	0.97
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	20	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	4	0.97
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	2	0.97
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	3	0.97
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	5	0.97
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	14	0.97
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	20	0.97
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	6	0.97
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	17	0.97
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	13	0.97
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	5	0.97
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	16	0.97
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	19	0.97
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	4	0.97
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	5	0.97
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	6	0.97
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	12	0.97
(2,2174)	1:148:A:LYS:HA	1:148:A:LYS:H	20	0.97
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	4	0.97
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	6	0.97
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	9	0.97
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	16	0.97
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	9	0.97
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	20	0.97
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	13	0.97
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	19	0.97
(2,2006)	1:3:A:LYS:HB3	1:3:A:LYS:HA	13	0.97
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	11	0.97
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	17	0.97
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	20	0.97
(2,1954)	1:89:A:ILE:HB	1:89:A:ILE:HA	18	0.97
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	2	0.97
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	4	0.97
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	7	0.97
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	7	0.97
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	7	0.97
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	4	0.97
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	6	0.97
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	7	0.97
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	12	0.97
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	18	0.97
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	13	0.97
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	1	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	1	0.97
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	1	0.97
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	4	0.97
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	4	0.97
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	4	0.97
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	7	0.97
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	7	0.97
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	7	0.97
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	4	0.97
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	13	0.97
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	2	0.97
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	3	0.97
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	8	0.97
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	9	0.97
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	10	0.97
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	11	0.97
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	14	0.97
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	16	0.97
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	1	0.97
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	1	0.97
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	1	0.97
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	2	0.97
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	2	0.97
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	2	0.97
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	3	0.97
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	3	0.97
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	3	0.97
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	6	0.97
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	6	0.97
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	6	0.97
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	7	0.97
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	7	0.97
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	7	0.97
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	9	0.97
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	9	0.97
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	9	0.97
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	10	0.97
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	10	0.97
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	10	0.97
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	13	0.97
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	13	0.97
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	13	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	15	0.97
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	15	0.97
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	15	0.97
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	17	0.97
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	17	0.97
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	17	0.97
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	6	0.97
(2,1775)	1:99:A:TYR:HB3	1:100:A:ILE:H	9	0.97
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	10	0.97
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	6	0.97
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	12	0.97
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	8	0.97
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	8	0.97
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	8	0.97
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	16	0.97
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	19	0.97
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	17	0.97
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	17	0.97
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	17	0.97
(2,1660)	1:108:A:GLY:H	1:107:A:PRO:HA	16	0.97
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	6	0.97
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	15	0.97
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	15	0.97
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	15	0.97
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	16	0.97
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	16	0.97
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	16	0.97
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	11	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	1	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	2	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	3	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	4	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	5	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	6	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	7	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	8	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	9	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	10	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	11	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	12	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	13	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	14	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	15	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	16	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	17	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	18	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	19	0.97
(2,1588)	1:12:A:GLY:HA2	1:12:A:GLY:HA3	20	0.97
(2,1553)	1:122:A:HIS:HB3	1:122:A:HIS:HD2	1	0.97
(2,1551)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	12	0.97
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	7	0.97
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	8	0.97
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	12	0.97
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	3	0.97
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	5	0.97
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	13	0.97
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	9	0.97
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	11	0.97
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	18	0.97
(2,1415)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	2	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	4	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	4	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	4	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	5	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	5	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	5	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	12	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	12	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	12	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	16	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	16	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	16	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	17	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	17	0.97
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	17	0.97
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	3	0.97
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	5	0.97
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	19	0.97
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	7	0.97
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	18	0.97
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	1	0.97
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	4	0.97
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	11	0.97
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	19	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	11	0.97
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	14	0.97
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	2	0.97
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	8	0.97
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	8	0.97
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	8	0.97
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	8	0.97
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG21	9	0.97
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG22	9	0.97
(2,1234)	1:81:A:THR:H	1:81:A:THR:HG23	9	0.97
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	8	0.97
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	15	0.97
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	3	0.97
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	5	0.97
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	5	0.97
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	5	0.97
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	15	0.97
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	15	0.97
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	15	0.97
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	11	0.97
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	11	0.97
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	11	0.97
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	5	0.97
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	3	0.97
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	4	0.97
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	5	0.97
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	12	0.97
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	18	0.97
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	20	0.97
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	9	0.97
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	16	0.97
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	10	0.97
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	15	0.97
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	11	0.97
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	12	0.97
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	17	0.97
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	12	0.97
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	3	0.97
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	17	0.97
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	20	0.97
(2,655)	1:90:A:LEU:HG	1:90:A:LEU:HB3	11	0.97
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	6	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	7	0.97
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	15	0.97
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	11	0.97
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	11	0.97
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	11	0.97
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	14	0.97
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	14	0.97
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	14	0.97
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	4	0.97
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	4	0.97
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	4	0.97
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	9	0.97
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	9	0.97
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	9	0.97
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	1	0.97
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	4	0.97
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	11	0.97
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	12	0.97
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	13	0.97
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	20	0.97
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	18	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	1	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	2	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	3	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	4	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	5	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	6	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	7	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	8	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	10	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	11	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	13	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	14	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	15	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	16	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	17	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	18	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	19	0.97
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	20	0.97
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG21	17	0.97
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG22	17	0.97
(2,342)	1:165:A:ILE:HD11	1:165:A:ILE:HG23	17	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG21	17	0.97
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG22	17	0.97
(2,342)	1:165:A:ILE:HD12	1:165:A:ILE:HG23	17	0.97
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG21	17	0.97
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG22	17	0.97
(2,342)	1:165:A:ILE:HD13	1:165:A:ILE:HG23	17	0.97
(2,315)	1:54:A:PRO:HA	1:56:A:THR:H	10	0.97
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	11	0.97
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	1	0.97
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	2	0.97
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	5	0.97
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	6	0.97
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	9	0.97
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	12	0.97
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	13	0.97
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	14	0.97
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	15	0.97
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	18	0.97
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	8	0.97
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	10	0.97
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	10	0.97
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	10	0.97
(2,217)	1:79:A:MET:HG3	1:79:A:MET:HB2	12	0.97
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	16	0.97
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	19	0.97
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	16	0.97
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	16	0.97
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	10	0.97
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	12	0.97
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	3	0.97
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	12	0.97
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	2	0.97
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	5	0.97
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	7	0.97
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	8	0.97
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	16	0.97
(2,148)	1:22:A:PHE:HA	1:22:A:PHE:HB2	19	0.97
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	7	0.97
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	14	0.97
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	17	0.97
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	20	0.97
(2,78)	1:130:A:ASN:HA	1:130:A:ASN:HB2	7	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,70)	1:40:A:LEU:HB2	1:40:A:LEU:HB3	12	0.97
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	10	0.97
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	11	0.97
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	8	0.96
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	6	0.96
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	6	0.96
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	6	0.96
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	8	0.96
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	8	0.96
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	8	0.96
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	5	0.96
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	5	0.96
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	5	0.96
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	2	0.96
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	6	0.96
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	17	0.96
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	1	0.96
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	3	0.96
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	8	0.96
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	1	0.96
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	3	0.96
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	3	0.96
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	13	0.96
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	13	0.96
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	6	0.96
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	7	0.96
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	14	0.96
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	15	0.96
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	18	0.96
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	19	0.96
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	5	0.96
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	5	0.96
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	5	0.96
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	7	0.96
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	7	0.96
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	7	0.96
(4,1063)	1:80:A:LYS:HD3	1:81:A:THR:H	20	0.96
(4,966)	1:2:A:ARG:HG3	1:2:A:ARG:H	19	0.96
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	2	0.96
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	2	0.96
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	2	0.96
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	11	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	11	0.96
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	11	0.96
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	18	0.96
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	18	0.96
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	18	0.96
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	8	0.96
(4,770)	1:30:A:LEU:HG	1:30:A:LEU:H	9	0.96
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	8	0.96
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	16	0.96
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	12	0.96
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	13	0.96
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	2	0.96
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	2	0.96
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	2	0.96
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	7	0.96
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	7	0.96
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	7	0.96
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	14	0.96
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	14	0.96
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	14	0.96
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	2	0.96
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	2	0.96
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	2	0.96
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	8	0.96
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	2	0.96
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	20	0.96
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	10	0.96
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	7	0.96
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	2	0.96
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	2	0.96
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	18	0.96
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	18	0.96
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	18	0.96
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	18	0.96
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	18	0.96
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	18	0.96
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	8	0.96
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	19	0.96
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	16	0.96
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	1	0.96
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	18	0.96
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	3	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	1	0.96
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	2	0.96
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	12	0.96
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	14	0.96
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	15	0.96
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	16	0.96
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	17	0.96
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	18	0.96
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	20	0.96
(2,3046)	1:146:A:HIS:HA	1:146:A:HIS:HB3	19	0.96
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	8	0.96
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	8	0.96
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	8	0.96
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	10	0.96
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	10	0.96
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	10	0.96
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	11	0.96
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	11	0.96
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	11	0.96
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	16	0.96
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	3	0.96
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	11	0.96
(2,2943)	1:89:A:ILE:HD11	1:89:A:ILE:H	6	0.96
(2,2943)	1:89:A:ILE:HD12	1:89:A:ILE:H	6	0.96
(2,2943)	1:89:A:ILE:HD13	1:89:A:ILE:H	6	0.96
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	2	0.96
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	9	0.96
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	17	0.96
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	10	0.96
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	11	0.96
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	17	0.96
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	15	0.96
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	1	0.96
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	2	0.96
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	11	0.96
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	5	0.96
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	20	0.96
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	5	0.96
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	7	0.96
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	11	0.96
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	12	0.96
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	16	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	1	0.96
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	1	0.96
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	1	0.96
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	6	0.96
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	6	0.96
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	6	0.96
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	7	0.96
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	7	0.96
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	7	0.96
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	18	0.96
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	18	0.96
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	18	0.96
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	19	0.96
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	19	0.96
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	19	0.96
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	7	0.96
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	1	0.96
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	12	0.96
(2,2549)	1:49:A:PRO:HG3	1:49:A:PRO:HD2	13	0.96
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	19	0.96
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	6	0.96
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	2	0.96
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	11	0.96
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	20	0.96
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	6	0.96
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	13	0.96
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	7	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	3	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	4	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	6	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	8	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	11	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	12	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	14	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	15	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	16	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	17	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	18	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	19	0.96
(2,2468)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	20	0.96
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	5	0.96
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	13	0.96
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	5	0.96
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	9	0.96
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	12	0.96
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	16	0.96
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	17	0.96
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	20	0.96
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	18	0.96
(2,2306)	1:65:A:ILE:HA	1:65:A:ILE:HB	17	0.96
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	17	0.96
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	17	0.96
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	17	0.96
(2,2278)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	9	0.96
(2,2278)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	9	0.96
(2,2278)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	9	0.96
(2,2278)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	16	0.96
(2,2278)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	16	0.96
(2,2278)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	16	0.96
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	19	0.96
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	4	0.96
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	7	0.96
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	11	0.96
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	18	0.96
(2,2221)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	18	0.96
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	6	0.96
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	6	0.96
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	18	0.96
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	13	0.96
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	3	0.96
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	7	0.96
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	10	0.96
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	13	0.96
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	14	0.96
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	15	0.96
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	16	0.96
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	19	0.96
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	20	0.96
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	15	0.96
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	11	0.96
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	19	0.96
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	7	0.96
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	12	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	2	0.96
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	19	0.96
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	18	0.96
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	3	0.96
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	3	0.96
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	3	0.96
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	1	0.96
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	8	0.96
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	8	0.96
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	8	0.96
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	12	0.96
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	12	0.96
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	12	0.96
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	17	0.96
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	17	0.96
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	17	0.96
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	11	0.96
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	15	0.96
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	2	0.96
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	15	0.96
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	1	0.96
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	6	0.96
(2,1808)	1:29:A:LEU:H	1:28:A:ALA:HA	13	0.96
(2,1805)	1:151:A:ILE:HG21	1:151:A:ILE:H	8	0.96
(2,1805)	1:151:A:ILE:HG22	1:151:A:ILE:H	8	0.96
(2,1805)	1:151:A:ILE:HG23	1:151:A:ILE:H	8	0.96
(2,1785)	1:77:A:ARG:HB3	1:77:A:ARG:H	4	0.96
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	1	0.96
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	1	0.96
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	1	0.96
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	4	0.96
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	5	0.96
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	7	0.96
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	18	0.96
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	18	0.96
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	18	0.96
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	4	0.96
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	6	0.96
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	17	0.96
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	20	0.96
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	4	0.96
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	4	0.96
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	13	0.96
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	13	0.96
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	13	0.96
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	2	0.96
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	9	0.96
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	10	0.96
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	5	0.96
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	5	0.96
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	5	0.96
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	10	0.96
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	10	0.96
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	10	0.96
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	13	0.96
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	13	0.96
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	13	0.96
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	10	0.96
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	9	0.96
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	18	0.96
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	4	0.96
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	13	0.96
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	14	0.96
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	15	0.96
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	16	0.96
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	17	0.96
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	19	0.96
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	4	0.96
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	1	0.96
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	6	0.96
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	7	0.96
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	10	0.96
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	2	0.96
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	8	0.96
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	2	0.96
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	3	0.96
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	5	0.96
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	6	0.96
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	7	0.96
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	15	0.96
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	18	0.96
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	20	0.96
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	16	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	16	0.96
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	16	0.96
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	16	0.96
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	3	0.96
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	5	0.96
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	10	0.96
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	13	0.96
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	17	0.96
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	10	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	1	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	2	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	4	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	6	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	7	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	8	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	9	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	10	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	11	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	12	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	13	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	14	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	15	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	16	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	17	0.96
(2,1346)	1:51:A:LEU:HB3	1:51:A:LEU:HA	18	0.96
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	1	0.96
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	4	0.96
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	6	0.96
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	10	0.96
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	12	0.96
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	19	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	2	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	5	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	6	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	8	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	9	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	10	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	12	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	13	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	14	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	15	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	16	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	17	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	18	0.96
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	20	0.96
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	14	0.96
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	16	0.96
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	3	0.96
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	10	0.96
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	6	0.96
(2,1252)	1:63:A:VAL:HA	1:63:A:VAL:HB	12	0.96
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	7	0.96
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	10	0.96
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	18	0.96
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	1	0.96
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	8	0.96
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	3	0.96
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	19	0.96
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	3	0.96
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	3	0.96
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	3	0.96
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	3	0.96
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	1	0.96
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	2	0.96
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	10	0.96
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	14	0.96
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	12	0.96
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	20	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	1	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	2	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	3	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	4	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	5	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	6	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	7	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	8	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	9	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	10	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	13	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	14	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	16	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	18	0.96
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	20	0.96
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	9	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	10	0.96
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	15	0.96
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	14	0.96
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	20	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	1	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	3	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	4	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	8	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	9	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	11	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	13	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	14	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	16	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	17	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	18	0.96
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	20	0.96
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	4	0.96
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	12	0.96
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	12	0.96
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	12	0.96
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	16	0.96
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	16	0.96
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	16	0.96
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	3	0.96
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	4	0.96
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	14	0.96
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	15	0.96
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	20	0.96
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	1	0.96
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	1	0.96
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	1	0.96
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	5	0.96
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	5	0.96
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	5	0.96
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	10	0.96
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	14	0.96
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	16	0.96
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	18	0.96
(2,507)	1:73:A:SER:H	1:73:A:SER:HB2	19	0.96
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	7	0.96
(2,370)	1:63:A:VAL:HA	1:63:A:VAL:HB	12	0.96
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	3	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	7	0.96
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	3	0.96
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	7	0.96
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	8	0.96
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	10	0.96
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	11	0.96
(2,269)	1:25:A:SER:HA	1:25:A:SER:HB2	7	0.96
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	1	0.96
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	1	0.96
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	5	0.96
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	5	0.96
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	8	0.96
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	8	0.96
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	9	0.96
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	9	0.96
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	11	0.96
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	11	0.96
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	12	0.96
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	12	0.96
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	19	0.96
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	5	0.96
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	18	0.96
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	10	0.96
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	13	0.96
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	1	0.96
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	8	0.96
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	17	0.96
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	13	0.96
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	16	0.96
(2,172)	1:148:A:LYS:HA	1:148:A:LYS:HB3	17	0.96
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	12	0.96
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	1	0.96
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	6	0.96
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	8	0.96
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	18	0.96
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	5	0.96
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	9	0.96
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	7	0.96
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	19	0.96
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	15	0.96
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	10	0.96
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	10	0.96
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	10	0.96
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	10	0.96
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	10	0.96
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	11	0.96
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	11	0.96
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	11	0.96
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	11	0.96
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	11	0.96
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	11	0.96
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	17	0.96
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	17	0.96
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	17	0.96
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	17	0.96
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	17	0.96
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	17	0.96
(1,7)	1:123:A:TYR:HE1	1:122:A:HIS:HB2	15	0.96
(1,7)	1:123:A:TYR:HE2	1:122:A:HIS:HB2	15	0.96
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	1	0.95
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	3	0.95
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	7	0.95
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	9	0.95
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	10	0.95
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	14	0.95
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	14	0.95
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	14	0.95
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	1	0.95
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	1	0.95
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	12	0.95
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	12	0.95
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	1	0.95
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	2	0.95
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	3	0.95
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	5	0.95
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	8	0.95
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	9	0.95
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	10	0.95
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	11	0.95
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	12	0.95
(4,1224)	1:127:A:GLY:H	1:127:A:GLY:HA3	13	0.95
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	20	0.95
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	8	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	8	0.95
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	8	0.95
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	11	0.95
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	20	0.95
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	5	0.95
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	15	0.95
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	3	0.95
(4,770)	1:30:A:LEU:HG	1:30:A:LEU:H	8	0.95
(4,740)	1:88:A:LYS:HG3	1:88:A:LYS:H	5	0.95
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	5	0.95
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	8	0.95
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	8	0.95
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	8	0.95
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	11	0.95
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	12	0.95
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	12	0.95
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	12	0.95
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	17	0.95
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	17	0.95
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	17	0.95
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	20	0.95
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	20	0.95
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	20	0.95
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	11	0.95
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	1	0.95
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	1	0.95
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	1	0.95
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	6	0.95
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	6	0.95
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	6	0.95
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	12	0.95
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	12	0.95
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	12	0.95
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	1	0.95
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	4	0.95
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	10	0.95
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	13	0.95
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	19	0.95
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	11	0.95
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	20	0.95
(4,104)	1:153:A:LEU:HG	1:154:A:ALA:H	16	0.95
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	1	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	11	0.95
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	17	0.95
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	2	0.95
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	9	0.95
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	13	0.95
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	15	0.95
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	18	0.95
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	13	0.95
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	3	0.95
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	7	0.95
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	8	0.95
(2,3060)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	11	0.95
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	2	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	1	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	1	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	1	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	3	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	3	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	3	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	4	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	4	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	4	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	5	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	5	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	5	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	6	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	6	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	6	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	7	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	7	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	7	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	9	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	9	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	9	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	11	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	11	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	11	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	12	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	12	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	12	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	13	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	13	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	13	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	14	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	14	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	14	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	15	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	15	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	15	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	16	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	16	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	16	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	17	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	17	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	17	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	19	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	19	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	19	0.95
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	20	0.95
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	20	0.95
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	20	0.95
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	12	0.95
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	17	0.95
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	5	0.95
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	6	0.95
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	8	0.95
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	9	0.95
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	13	0.95
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	14	0.95
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	16	0.95
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	17	0.95
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	18	0.95
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	19	0.95
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	20	0.95
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	2	0.95
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	3	0.95
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	4	0.95
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	6	0.95
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	14	0.95
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	17	0.95
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	19	0.95
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	5	0.95
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	13	0.95
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	7	0.95
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	12	0.95
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	16	0.95
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	18	0.95
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	19	0.95
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	7	0.95
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	13	0.95
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	5	0.95
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	1	0.95
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	4	0.95
(2,2727)	1:146:A:HIS:H	1:145:A:MET:HA	12	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	1	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	2	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	3	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	4	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	5	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	6	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	7	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	8	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	9	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	10	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	11	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	12	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	13	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	14	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	15	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	16	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	17	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	18	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	19	0.95
(2,2714)	1:140:A:LYS:HG2	1:140:A:LYS:HG3	20	0.95
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	6	0.95
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	6	0.95
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	16	0.95
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	8	0.95
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	2	0.95
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	15	0.95
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	15	0.95
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	15	0.95
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	8	0.95
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	10	0.95
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	14	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	16	0.95
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	6	0.95
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	14	0.95
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	1	0.95
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	5	0.95
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	14	0.95
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	17	0.95
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	10	0.95
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	15	0.95
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	16	0.95
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	18	0.95
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	4	0.95
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	20	0.95
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	9	0.95
(2,2407)	1:54:A:PRO:HD2	1:5:A:LEU:HG	19	0.95
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	3	0.95
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	4	0.95
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	10	0.95
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	13	0.95
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	15	0.95
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	19	0.95
(2,2396)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	12	0.95
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	4	0.95
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	5	0.95
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	5	0.95
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	5	0.95
(2,2278)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	13	0.95
(2,2278)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	13	0.95
(2,2278)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	13	0.95
(2,2278)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	15	0.95
(2,2278)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	15	0.95
(2,2278)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	15	0.95
(2,2254)	1:52:A:PRO:HB3	1:53:A:ASP:H	11	0.95
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	15	0.95
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	4	0.95
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	1	0.95
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	2	0.95
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	5	0.95
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	8	0.95
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	9	0.95
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	11	0.95
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	12	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	1	0.95
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	7	0.95
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	13	0.95
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	18	0.95
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	19	0.95
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	10	0.95
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	8	0.95
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	6	0.95
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	15	0.95
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	4	0.95
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	14	0.95
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	1	0.95
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	5	0.95
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	8	0.95
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	9	0.95
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	13	0.95
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	16	0.95
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	18	0.95
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	10	0.95
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	14	0.95
(2,1930)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	13	0.95
(2,1923)	1:77:A:ARG:HG2	1:77:A:ARG:HA	16	0.95
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	3	0.95
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	16	0.95
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	20	0.95
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	5	0.95
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	11	0.95
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	17	0.95
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	15	0.95
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	3	0.95
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	8	0.95
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	15	0.95
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	2	0.95
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	2	0.95
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	2	0.95
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	12	0.95
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	12	0.95
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	12	0.95
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	13	0.95
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	13	0.95
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	13	0.95
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	14	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	14	0.95
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	14	0.95
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	5	0.95
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	6	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	1	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	2	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	3	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	4	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	5	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	6	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	7	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	8	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	11	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	12	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	13	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	14	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	15	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	16	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	17	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	18	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	19	0.95
(2,1651)	1:156:A:ILE:HA	1:156:A:ILE:HB	20	0.95
(2,1650)	1:153:A:LEU:HD11	1:153:A:LEU:HB3	9	0.95
(2,1650)	1:153:A:LEU:HD12	1:153:A:LEU:HB3	9	0.95
(2,1650)	1:153:A:LEU:HD13	1:153:A:LEU:HB3	9	0.95
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	17	0.95
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	18	0.95
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	3	0.95
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	13	0.95
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	19	0.95
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	12	0.95
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	2	0.95
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	5	0.95
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	17	0.95
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	2	0.95
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	8	0.95
(2,1503)	1:89:A:ILE:HG13	1:89:A:ILE:HB	11	0.95
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	4	0.95
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	10	0.95
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	13	0.95
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	1	0.95
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	4	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	8	0.95
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	9	0.95
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	12	0.95
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	13	0.95
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	14	0.95
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	17	0.95
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	9	0.95
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	9	0.95
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	9	0.95
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	10	0.95
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	10	0.95
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	10	0.95
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	19	0.95
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	19	0.95
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	19	0.95
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	14	0.95
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	16	0.95
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	2	0.95
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	7	0.95
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	12	0.95
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	20	0.95
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	1	0.95
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	4	0.95
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	7	0.95
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	11	0.95
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	12	0.95
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	15	0.95
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	19	0.95
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	20	0.95
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	2	0.95
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	3	0.95
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	8	0.95
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	14	0.95
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	15	0.95
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	17	0.95
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	20	0.95
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	3	0.95
(2,1326)	1:80:A:LYS:HA	1:80:A:LYS:H	7	0.95
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	19	0.95
(2,1311)	1:16:A:ASN:HB2	1:16:A:ASN:HA	8	0.95
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	7	0.95
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	2	0.95
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	5	0.95
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	12	0.95
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	1	0.95
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	1	0.95
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	1	0.95
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	2	0.95
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	2	0.95
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	2	0.95
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	6	0.95
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	6	0.95
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	6	0.95
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	11	0.95
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	11	0.95
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	11	0.95
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	12	0.95
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	12	0.95
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	12	0.95
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	18	0.95
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	18	0.95
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	18	0.95
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	19	0.95
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	19	0.95
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	19	0.95
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	3	0.95
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	14	0.95
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	13	0.95
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	19	0.95
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	7	0.95
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	11	0.95
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	12	0.95
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	6	0.95
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	20	0.95
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	7	0.95
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	8	0.95
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	12	0.95
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	19	0.95
(2,864)	1:10:A:LYS:HA	1:10:A:LYS:H	15	0.95
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	18	0.95
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	2	0.95
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	10	0.95
(2,735)	1:119:A:SER:HA	1:119:A:SER:HB2	2	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	18	0.95
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	4	0.95
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	2	0.95
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	5	0.95
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	10	0.95
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	12	0.95
(2,602)	1:8:A:GLN:HB2	1:8:A:GLN:HA	19	0.95
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	3	0.95
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	7	0.95
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	8	0.95
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	17	0.95
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	10	0.95
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	10	0.95
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	10	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	1	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	5	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	6	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	7	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	8	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	9	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	10	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	12	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	13	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	16	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	17	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	18	0.95
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	19	0.95
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	3	0.95
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	3	0.95
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	3	0.95
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	12	0.95
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	12	0.95
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	12	0.95
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	16	0.95
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	16	0.95
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	16	0.95
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	17	0.95
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	17	0.95
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	17	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	1	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	2	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	5	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	6	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	7	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	8	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	9	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	10	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	11	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	12	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	13	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	14	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	15	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	17	0.95
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	18	0.95
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	20	0.95
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	19	0.95
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	16	0.95
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	17	0.95
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	19	0.95
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	20	0.95
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	20	0.95
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	4	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	2	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	2	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	3	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	3	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	10	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	10	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	13	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	13	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	15	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	15	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	19	0.95
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	19	0.95
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	4	0.95
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	8	0.95
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	11	0.95
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	15	0.95
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	7	0.95
(2,159)	1:45:A:SER:HB2	1:45:A:SER:H	3	0.95
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	7	0.95
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	9	0.95
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	2	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	15	0.95
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	7	0.95
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	1	0.95
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	6	0.95
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	20	0.95
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	10	0.94
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	12	0.94
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	12	0.94
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	12	0.94
(4,1434)	1:91:A:THR:HG21	1:91:A:THR:H	18	0.94
(4,1434)	1:91:A:THR:HG22	1:91:A:THR:H	18	0.94
(4,1434)	1:91:A:THR:HG23	1:91:A:THR:H	18	0.94
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	6	0.94
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	11	0.94
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	12	0.94
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	19	0.94
(4,1322)	1:166:A:ASN:H	1:166:A:ASN:HD21	7	0.94
(4,1322)	1:166:A:ASN:H	1:166:A:ASN:HD21	19	0.94
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	9	0.94
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	15	0.94
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	15	0.94
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	17	0.94
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	17	0.94
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	18	0.94
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	18	0.94
(4,1197)	1:113:A:ALA:HB1	1:114:A:TYR:H	16	0.94
(4,1197)	1:113:A:ALA:HB2	1:114:A:TYR:H	16	0.94
(4,1197)	1:113:A:ALA:HB3	1:114:A:TYR:H	16	0.94
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	6	0.94
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	6	0.94
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	6	0.94
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	18	0.94
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	18	0.94
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	18	0.94
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	3	0.94
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	19	0.94
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	12	0.94
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	12	0.94
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	12	0.94
(4,845)	1:151:A:ILE:HD11	1:151:A:ILE:H	14	0.94
(4,845)	1:151:A:ILE:HD12	1:151:A:ILE:H	14	0.94
(4,845)	1:151:A:ILE:HD13	1:151:A:ILE:H	14	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	6	0.94
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	2	0.94
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	4	0.94
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	9	0.94
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	19	0.94
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	13	0.94
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	7	0.94
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	10	0.94
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	4	0.94
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	5	0.94
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	15	0.94
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	12	0.94
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	3	0.94
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	3	0.94
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	3	0.94
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	4	0.94
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	4	0.94
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	4	0.94
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	16	0.94
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	16	0.94
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	16	0.94
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	19	0.94
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	19	0.94
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	19	0.94
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	4	0.94
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	5	0.94
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	5	0.94
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	5	0.94
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	7	0.94
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	7	0.94
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	7	0.94
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	8	0.94
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	8	0.94
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	8	0.94
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	9	0.94
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	9	0.94
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	9	0.94
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	10	0.94
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	10	0.94
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	10	0.94
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	11	0.94
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	11	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	11	0.94
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	13	0.94
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	13	0.94
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	13	0.94
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	14	0.94
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	14	0.94
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	14	0.94
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	15	0.94
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	15	0.94
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	15	0.94
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	7	0.94
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	9	0.94
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	12	0.94
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	14	0.94
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	6	0.94
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	17	0.94
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	20	0.94
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	6	0.94
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	4	0.94
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	4	0.94
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	5	0.94
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	5	0.94
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	16	0.94
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	16	0.94
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	11	0.94
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	17	0.94
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	17	0.94
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	11	0.94
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	11	0.94
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	11	0.94
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	11	0.94
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	11	0.94
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	11	0.94
(3,29)	1:111:A:PHE:HA	1:111:A:PHE:HD1	17	0.94
(3,29)	1:111:A:PHE:HA	1:111:A:PHE:HD2	17	0.94
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	4	0.94
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	4	0.94
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	4	0.94
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	4	0.94
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	4	0.94
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	4	0.94
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	19	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	19	0.94
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	19	0.94
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	19	0.94
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	19	0.94
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	19	0.94
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	6	0.94
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	7	0.94
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	10	0.94
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	14	0.94
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	18	0.94
(2,3125)	1:11:A:GLN:HA	1:11:A:GLN:HG3	17	0.94
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	17	0.94
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	17	0.94
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	17	0.94
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	12	0.94
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	14	0.94
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	3	0.94
(2,3007)	1:86:A:VAL:HG21	1:86:A:VAL:HA	18	0.94
(2,3007)	1:86:A:VAL:HG22	1:86:A:VAL:HA	18	0.94
(2,3007)	1:86:A:VAL:HG23	1:86:A:VAL:HA	18	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	5	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	5	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	5	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	6	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	6	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	6	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	9	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	9	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	9	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	10	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	10	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	10	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	15	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	15	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	15	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	17	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	17	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	17	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	19	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	19	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	19	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	20	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	20	0.94
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	20	0.94
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	1	0.94
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	4	0.94
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	7	0.94
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	10	0.94
(2,2967)	1:84:A:ILE:HA	1:84:A:ILE:HG13	15	0.94
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	8	0.94
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	10	0.94
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	1	0.94
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	7	0.94
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	8	0.94
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	9	0.94
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	10	0.94
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	13	0.94
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	20	0.94
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	3	0.94
(2,2920)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	11	0.94
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	11	0.94
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	4	0.94
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	14	0.94
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	16	0.94
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	18	0.94
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	7	0.94
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	12	0.94
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	12	0.94
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	9	0.94
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	3	0.94
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	3	0.94
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	3	0.94
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	17	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	1	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	2	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	3	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	4	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	5	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	6	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	7	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	9	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	11	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	12	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	13	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	15	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	17	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	18	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	19	0.94
(2,2568)	1:35:A:SER:HB2	1:35:A:SER:HB3	20	0.94
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	13	0.94
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	4	0.94
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	12	0.94
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	15	0.94
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	18	0.94
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	17	0.94
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	16	0.94
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	19	0.94
(2,2427)	1:104:A:GLN:HB2	1:104:A:GLN:H	15	0.94
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	6	0.94
(2,2403)	1:43:A:GLY:HA2	1:44:A:GLN:H	18	0.94
(2,2396)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	16	0.94
(2,2367)	1:89:A:ILE:HG13	1:89:A:ILE:HA	11	0.94
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	6	0.94
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	3	0.94
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	3	0.94
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	3	0.94
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	13	0.94
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	13	0.94
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	13	0.94
(2,2278)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	10	0.94
(2,2278)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	10	0.94
(2,2278)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	10	0.94
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	8	0.94
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	10	0.94
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	16	0.94
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	18	0.94
(2,2257)	1:148:A:LYS:HA	1:148:A:LYS:HB2	8	0.94
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	1	0.94
(2,2238)	1:29:A:LEU:HA	1:30:A:LEU:H	12	0.94
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	3	0.94
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	7	0.94
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	10	0.94
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	12	0.94
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	5	0.94
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	2	0.94
(2,2157)	1:106:A:ASN:HB2	1:106:A:ASN:HD22	18	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	2	0.94
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	1	0.94
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	18	0.94
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	6	0.94
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	16	0.94
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	20	0.94
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	8	0.94
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	16	0.94
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	18	0.94
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	3	0.94
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	11	0.94
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	1	0.94
(2,1950)	1:102:A:ASN:HA	1:103:A:ARG:H	17	0.94
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	2	0.94
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	2	0.94
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	2	0.94
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	8	0.94
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	1	0.94
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	5	0.94
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	7	0.94
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	8	0.94
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	10	0.94
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	11	0.94
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	15	0.94
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	18	0.94
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	19	0.94
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	3	0.94
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	10	0.94
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	8	0.94
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	6	0.94
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	19	0.94
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	2	0.94
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	6	0.94
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	10	0.94
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	13	0.94
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	16	0.94
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	17	0.94
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	18	0.94
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	19	0.94
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	12	0.94
(2,1739)	1:70:A:LEU:HB2	1:71:A:THR:H	14	0.94
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	5	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	7	0.94
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	11	0.94
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	19	0.94
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	18	0.94
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	7	0.94
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	13	0.94
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	5	0.94
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	6	0.94
(2,1543)	1:134:A:ILE:HG13	1:134:A:ILE:H	20	0.94
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	13	0.94
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	6	0.94
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	20	0.94
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	1	0.94
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	3	0.94
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	5	0.94
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	12	0.94
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	18	0.94
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	10	0.94
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	10	0.94
(2,1482)	1:159:A:ASN:HB3	1:159:A:ASN:H	19	0.94
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	8	0.94
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	8	0.94
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	8	0.94
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	1	0.94
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	8	0.94
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	14	0.94
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	2	0.94
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	8	0.94
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	9	0.94
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	14	0.94
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	16	0.94
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	7	0.94
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG21	11	0.94
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG22	11	0.94
(2,1351)	1:71:A:THR:H	1:71:A:THR:HG23	11	0.94
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	9	0.94
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	11	0.94
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	13	0.94
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	16	0.94
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	8	0.94
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	9	0.94
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	15	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	6	0.94
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	11	0.94
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	3	0.94
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	11	0.94
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	20	0.94
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	1	0.94
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	12	0.94
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	14	0.94
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	17	0.94
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	1	0.94
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	8	0.94
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	9	0.94
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	10	0.94
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	13	0.94
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	4	0.94
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	14	0.94
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	14	0.94
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	14	0.94
(2,984)	1:120:A:LYS:HB3	1:121:A:GLN:H	8	0.94
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	4	0.94
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	2	0.94
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	3	0.94
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	10	0.94
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	19	0.94
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	4	0.94
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	14	0.94
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	1	0.94
(2,892)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	4	0.94
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	3	0.94
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	6	0.94
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	11	0.94
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	13	0.94
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	9	0.94
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	6	0.94
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	6	0.94
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	9	0.94
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	1	0.94
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	1	0.94
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	1	0.94
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	2	0.94
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	2	0.94
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	2	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	2	0.94
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	13	0.94
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	13	0.94
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	13	0.94
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	18	0.94
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	18	0.94
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	18	0.94
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	4	0.94
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	16	0.94
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	19	0.94
(2,520)	1:106:A:ASN:HB2	1:106:A:ASN:HB3	20	0.94
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	4	0.94
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	10	0.94
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	18	0.94
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	10	0.94
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	7	0.94
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	1	0.94
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	15	0.94
(2,286)	1:106:A:ASN:H	1:106:A:ASN:HA	4	0.94
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	3	0.94
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	5	0.94
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	10	0.94
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	12	0.94
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	14	0.94
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	18	0.94
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	13	0.94
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	9	0.94
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	14	0.94
(2,159)	1:45:A:SER:HB2	1:45:A:SER:H	7	0.94
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	10	0.94
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	11	0.94
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	3	0.94
(2,97)	1:58:A:PRO:HA	1:59:A:TYR:H	11	0.94
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	2	0.94
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	5	0.94
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	12	0.94
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	16	0.94
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	2	0.94
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	15	0.94
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	10	0.94
(2,55)	1:121:A:GLN:HG2	1:121:A:GLN:HE21	17	0.94
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	4	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	4	0.94
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	6	0.94
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	6	0.94
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	1	0.94
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	1	0.94
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	1	0.94
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	1	0.94
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	1	0.94
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	1	0.94
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	1	0.94
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	1	0.94
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	1	0.94
(1,7)	1:123:A:TYR:HE1	1:122:A:HIS:HB2	1	0.94
(1,7)	1:123:A:TYR:HE2	1:122:A:HIS:HB2	1	0.94
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	5	0.93
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	20	0.93
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	2	0.93
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	5	0.93
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	14	0.93
(4,1322)	1:166:A:ASN:H	1:166:A:ASN:HD21	20	0.93
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	14	0.93
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	4	0.93
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	4	0.93
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	10	0.93
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	10	0.93
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	10	0.93
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	15	0.93
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	15	0.93
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	15	0.93
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	6	0.93
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	7	0.93
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	8	0.93
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	1	0.93
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	1	0.93
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	1	0.93
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	7	0.93
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	10	0.93
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	10	0.93
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	10	0.93
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	6	0.93
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	7	0.93
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	10	0.93
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	14	0.93
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	20	0.93
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	13	0.93
(4,601)	1:162:A:ARG:HD2	1:162:A:ARG:H	14	0.93
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	20	0.93
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	11	0.93
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	11	0.93
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	11	0.93
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	13	0.93
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	11	0.93
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	11	0.93
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	11	0.93
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	13	0.93
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	13	0.93
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	13	0.93
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	2	0.93
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	8	0.93
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	9	0.93
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	12	0.93
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	14	0.93
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	16	0.93
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	2	0.93
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	2	0.93
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	2	0.93
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	3	0.93
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	3	0.93
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	3	0.93
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	4	0.93
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	4	0.93
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	4	0.93
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	16	0.93
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	16	0.93
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	16	0.93
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	17	0.93
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	17	0.93
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	17	0.93
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	18	0.93
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	18	0.93
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	18	0.93
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	19	0.93
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	19	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	19	0.93
(4,284)	1:85:A:ALA:HB1	1:85:A:ALA:H	20	0.93
(4,284)	1:85:A:ALA:HB2	1:85:A:ALA:H	20	0.93
(4,284)	1:85:A:ALA:HB3	1:85:A:ALA:H	20	0.93
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	3	0.93
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	18	0.93
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	5	0.93
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	2	0.93
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	2	0.93
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	7	0.93
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	11	0.93
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	18	0.93
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	8	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	2	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	2	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	2	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	2	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	3	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	3	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	3	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	3	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	6	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	6	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	6	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	6	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	8	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	8	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	8	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	8	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	12	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	12	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	12	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	12	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	15	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	15	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	15	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	15	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	17	0.93
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	17	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	17	0.93
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	17	0.93
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	8	0.93
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	8	0.93
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	8	0.93
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	8	0.93
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	8	0.93
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	12	0.93
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	12	0.93
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	12	0.93
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	12	0.93
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	12	0.93
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	12	0.93
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	12	0.93
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	12	0.93
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	12	0.93
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	12	0.93
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	12	0.93
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	12	0.93
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	12	0.93
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	17	0.93
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	18	0.93
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	2	0.93
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	19	0.93
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	17	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	1	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	1	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	1	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	2	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	2	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	2	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	3	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	3	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	3	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	4	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	4	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	4	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	5	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	5	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	5	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	6	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	6	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	6	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	7	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	7	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	7	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	8	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	8	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	8	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	9	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	9	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	9	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	10	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	10	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	10	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	11	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	11	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	11	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	12	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	12	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	12	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	13	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	13	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	13	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	14	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	14	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	14	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	15	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	15	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	15	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	16	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	16	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	16	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	18	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	18	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	18	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	19	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	19	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	19	0.93
(2,3116)	1:65:A:ILE:HG21	1:65:A:ILE:HG12	20	0.93
(2,3116)	1:65:A:ILE:HG22	1:65:A:ILE:HG12	20	0.93
(2,3116)	1:65:A:ILE:HG23	1:65:A:ILE:HG12	20	0.93
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	6	0.93
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	1	0.93
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	11	0.93
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	20	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	7	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	1	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	1	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	1	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	2	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	2	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	2	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	3	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	3	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	3	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	4	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	4	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	4	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	7	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	7	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	7	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	8	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	8	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	8	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	12	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	12	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	12	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	13	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	13	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	13	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	14	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	14	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	14	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	16	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	16	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	16	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD11	18	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD12	18	0.93
(2,3002)	1:61:A:ILE:HA	1:61:A:ILE:HD13	18	0.93
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	5	0.93
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	11	0.93
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	12	0.93
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	15	0.93
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	16	0.93
(2,2936)	1:157:A:VAL:HB	1:157:A:VAL:H	18	0.93
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	1	0.93
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	19	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	10	0.93
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	1	0.93
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	2	0.93
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	8	0.93
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	9	0.93
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	15	0.93
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	19	0.93
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	20	0.93
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	13	0.93
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	13	0.93
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	20	0.93
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	9	0.93
(2,2586)	1:23:A:ARG:HA	1:24:A:ILE:H	20	0.93
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	9	0.93
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	9	0.93
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	9	0.93
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	20	0.93
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	20	0.93
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	20	0.93
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	12	0.93
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	16	0.93
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	18	0.93
(2,2547)	1:129:A:ASN:HB2	1:129:A:ASN:HA	3	0.93
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	3	0.93
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	6	0.93
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	9	0.93
(2,2455)	1:21:A:ASP:HB3	1:22:A:PHE:H	8	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	1	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	1	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	1	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	2	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	2	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	2	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	4	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	4	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	4	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	6	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	6	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	6	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	7	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	7	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	7	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	8	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	8	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	8	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	9	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	9	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	9	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	10	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	10	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	10	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	11	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	11	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	11	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	12	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	12	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	12	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	14	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	14	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	14	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	15	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	15	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	15	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	16	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	16	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	16	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	18	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	18	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	18	0.93
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	20	0.93
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	20	0.93
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	20	0.93
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	18	0.93
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	1	0.93
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	2	0.93
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	3	0.93
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	4	0.93
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	6	0.93
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	15	0.93
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	3	0.93
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	9	0.93
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	10	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	1	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	4	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	5	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	7	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	8	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	9	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	10	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	11	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	12	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	13	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	14	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	15	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	16	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	19	0.93
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	20	0.93
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	1	0.93
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	8	0.93
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	11	0.93
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	1	0.93
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	5	0.93
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	10	0.93
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	14	0.93
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	18	0.93
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	10	0.93
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	13	0.93
(2,2019)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	13	0.93
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	1	0.93
(2,1930)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	16	0.93
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	18	0.93
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	18	0.93
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	18	0.93
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	19	0.93
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	19	0.93
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	19	0.93
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	2	0.93
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	4	0.93
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	6	0.93
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	9	0.93
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	12	0.93
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	13	0.93
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	14	0.93
(2,1888)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	17	0.93
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	1	0.93
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	19	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	20	0.93
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	20	0.93
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	7	0.93
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	7	0.93
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	7	0.93
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	12	0.93
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	12	0.93
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	12	0.93
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	14	0.93
(2,1753)	1:14:A:THR:H	1:13:A:ASP:HA	20	0.93
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	10	0.93
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	14	0.93
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	3	0.93
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	8	0.93
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	8	0.93
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	8	0.93
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	10	0.93
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	2	0.93
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	4	0.93
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	16	0.93
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	17	0.93
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	4	0.93
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	16	0.93
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	3	0.93
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	7	0.93
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	10	0.93
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	14	0.93
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	20	0.93
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	16	0.93
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	7	0.93
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	14	0.93
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	19	0.93
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	9	0.93
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	4	0.93
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	4	0.93
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	4	0.93
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	7	0.93
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	7	0.93
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	7	0.93
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	15	0.93
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	15	0.93
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	20	0.93
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	20	0.93
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	20	0.93
(2,1451)	1:16:A:ASN:H	1:16:A:ASN:HB3	8	0.93
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	17	0.93
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	15	0.93
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	15	0.93
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	15	0.93
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	15	0.93
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	15	0.93
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	15	0.93
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	15	0.93
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	15	0.93
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	15	0.93
(2,1328)	1:77:A:ARG:HA	1:78:A:VAL:H	5	0.93
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	11	0.93
(2,1272)	1:30:A:LEU:HB3	1:30:A:LEU:H	9	0.93
(2,1246)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	10	0.93
(2,1231)	1:167:A:ARG:HD3	1:167:A:ARG:HA	3	0.93
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	12	0.93
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	5	0.93
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	12	0.93
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	13	0.93
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	5	0.93
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	10	0.93
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	16	0.93
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	17	0.93
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	15	0.93
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	15	0.93
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	16	0.93
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	4	0.93
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	4	0.93
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	4	0.93
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	9	0.93
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	9	0.93
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	9	0.93
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	5	0.93
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	5	0.93
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	5	0.93
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	5	0.93
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	4	0.93
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	14	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	16	0.93
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	17	0.93
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	20	0.93
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	17	0.93
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	8	0.93
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	16	0.93
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	18	0.93
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	2	0.93
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	15	0.93
(2,808)	1:86:A:VAL:HB	1:86:A:VAL:HA	2	0.93
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	11	0.93
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	12	0.93
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	13	0.93
(2,647)	1:44:A:GLN:HG3	1:44:A:GLN:HE21	7	0.93
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	1	0.93
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	11	0.93
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	14	0.93
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	4	0.93
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	6	0.93
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	7	0.93
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	9	0.93
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	2	0.93
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	19	0.93
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	7	0.93
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	7	0.93
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	7	0.93
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	18	0.93
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	18	0.93
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	18	0.93
(2,528)	1:71:A:THR:HA	1:71:A:THR:H	11	0.93
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	15	0.93
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	15	0.93
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	15	0.93
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	1	0.93
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	3	0.93
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	6	0.93
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	8	0.93
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	9	0.93
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	11	0.93
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	12	0.93
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	14	0.93
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	17	0.93
(2,408)	1:138:A:VAL:HB	1:138:A:VAL:HA	11	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	1	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	2	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	3	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	4	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	5	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	6	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	7	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	9	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	10	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	11	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	12	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	13	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	14	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	16	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	17	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	18	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	19	0.93
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	20	0.93
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	11	0.93
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	13	0.93
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	11	0.93
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	15	0.93
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	18	0.93
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	2	0.93
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	2	0.93
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	2	0.93
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	1	0.93
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	6	0.93
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	6	0.93
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	7	0.93
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	7	0.93
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	14	0.93
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	14	0.93
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	18	0.93
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	18	0.93
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	20	0.93
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	2	0.93
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	15	0.93
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	1	0.93
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	2	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	3	0.93
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	16	0.93
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	17	0.93
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	19	0.93
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	8	0.93
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	9	0.93
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	11	0.93
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	19	0.93
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	20	0.93
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	7	0.93
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	7	0.93
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	11	0.93
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	11	0.93
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	6	0.93
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	18	0.93
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	4	0.93
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	4	0.93
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	4	0.93
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	4	0.93
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	4	0.93
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	4	0.93
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	19	0.93
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	19	0.93
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	19	0.93
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	19	0.93
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	19	0.93
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	19	0.93
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	18	0.92
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	18	0.92
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	18	0.92
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	10	0.92
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	6	0.92
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	11	0.92
(4,1232)	1:57:A:ILE:HG13	1:57:A:ILE:H	11	0.92
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	20	0.92
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	20	0.92
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	10	0.92
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	10	0.92
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	10	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	1	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	3	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	4	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	5	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	6	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	7	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	9	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	10	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	11	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	12	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	14	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	16	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	17	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	18	0.92
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	20	0.92
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	1	0.92
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	2	0.92
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	4	0.92
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	9	0.92
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	10	0.92
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	14	0.92
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	15	0.92
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	16	0.92
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	18	0.92
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	3	0.92
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	3	0.92
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	3	0.92
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	6	0.92
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	3	0.92
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	5	0.92
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	16	0.92
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	17	0.92
(4,812)	1:49:A:PRO:HG2	1:50:A:GLY:H	18	0.92
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	6	0.92
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	4	0.92
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	15	0.92
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	18	0.92
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	8	0.92
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	4	0.92
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	4	0.92
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	4	0.92
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	3	0.92
(4,307)	1:78:A:VAL:HG11	1:79:A:MET:H	5	0.92
(4,307)	1:78:A:VAL:HG12	1:79:A:MET:H	5	0.92
(4,307)	1:78:A:VAL:HG13	1:79:A:MET:H	5	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	1	0.92
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	5	0.92
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	7	0.92
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	10	0.92
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	11	0.92
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	13	0.92
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	15	0.92
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	18	0.92
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	19	0.92
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	20	0.92
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	1	0.92
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	7	0.92
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	3	0.92
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	14	0.92
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	20	0.92
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	11	0.92
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	11	0.92
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	4	0.92
(4,104)	1:153:A:LEU:HG	1:154:A:ALA:H	9	0.92
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	1	0.92
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	2	0.92
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	13	0.92
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	18	0.92
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	19	0.92
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	20	0.92
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	2	0.92
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	10	0.92
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	10	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	1	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	1	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	1	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	1	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	4	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	4	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	4	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	4	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	5	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	5	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	5	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	5	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	7	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	7	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	7	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	9	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	9	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	9	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	9	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	10	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	10	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	10	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	10	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	11	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	11	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	11	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	11	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	13	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	13	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	13	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	13	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	14	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	14	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	14	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	14	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	16	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	16	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	16	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	16	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	18	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	18	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	18	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	18	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	19	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	19	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	19	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	19	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	20	0.92
(3,59)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	20	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	20	0.92
(3,59)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	20	0.92
(3,29)	1:111:A:PHE:HA	1:111:A:PHE:HD1	20	0.92
(3,29)	1:111:A:PHE:HA	1:111:A:PHE:HD2	20	0.92
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	1	0.92
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	1	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	1	0.92
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	1	0.92
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	1	0.92
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	1	0.92
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	3	0.92
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	3	0.92
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	3	0.92
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	3	0.92
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	3	0.92
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	3	0.92
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	17	0.92
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	17	0.92
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	3	0.92
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	3	0.92
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	3	0.92
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	3	0.92
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	3	0.92
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	3	0.92
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	5	0.92
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	11	0.92
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	3	0.92
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	9	0.92
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	16	0.92
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	5	0.92
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	6	0.92
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	8	0.92
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	4	0.92
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	5	0.92
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	15	0.92
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	1	0.92
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	2	0.92
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	15	0.92
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	5	0.92
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	5	0.92
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	15	0.92
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	15	0.92
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	20	0.92
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	6	0.92
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	20	0.92
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	14	0.92
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	1	0.92
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	13	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	15	0.92
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	20	0.92
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	13	0.92
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	1	0.92
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	2	0.92
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	9	0.92
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	10	0.92
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	14	0.92
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	15	0.92
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	17	0.92
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	2	0.92
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	14	0.92
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	15	0.92
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	14	0.92
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	4	0.92
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	4	0.92
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	4	0.92
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	5	0.92
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	5	0.92
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	5	0.92
(2,2581)	1:5:A:LEU:HD21	1:5:A:LEU:H	13	0.92
(2,2581)	1:5:A:LEU:HD22	1:5:A:LEU:H	13	0.92
(2,2581)	1:5:A:LEU:HD23	1:5:A:LEU:H	13	0.92
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	11	0.92
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	7	0.92
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	11	0.92
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	9	0.92
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	14	0.92
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	8	0.92
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	10	0.92
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	15	0.92
(2,2300)	1:65:A:ILE:HD11	1:65:A:ILE:HB	19	0.92
(2,2300)	1:65:A:ILE:HD12	1:65:A:ILE:HB	19	0.92
(2,2300)	1:65:A:ILE:HD13	1:65:A:ILE:HB	19	0.92
(2,2278)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	5	0.92
(2,2278)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	5	0.92
(2,2278)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	5	0.92
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	5	0.92
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	7	0.92
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	9	0.92
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	11	0.92
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	12	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	13	0.92
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	14	0.92
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	17	0.92
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	20	0.92
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	16	0.92
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	2	0.92
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	3	0.92
(2,2183)	1:88:A:LYS:HA	1:88:A:LYS:H	17	0.92
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	3	0.92
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	3	0.92
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	8	0.92
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	9	0.92
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	2	0.92
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	7	0.92
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	10	0.92
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	11	0.92
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	2	0.92
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	14	0.92
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	18	0.92
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	15	0.92
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	3	0.92
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	7	0.92
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	12	0.92
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	10	0.92
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	10	0.92
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	10	0.92
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	17	0.92
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	17	0.92
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	17	0.92
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	1	0.92
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	13	0.92
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	19	0.92
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	11	0.92
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	11	0.92
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	11	0.92
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	1	0.92
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	1	0.92
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	1	0.92
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	7	0.92
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	15	0.92
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	3	0.92
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	3	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	3	0.92
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	3	0.92
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	4	0.92
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	13	0.92
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	16	0.92
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	1	0.92
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	5	0.92
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	15	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	1	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	3	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	5	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	6	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	7	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	8	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	9	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	10	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	11	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	12	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	13	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	14	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	15	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	17	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	19	0.92
(2,1611)	1:34:A:PRO:HB3	1:34:A:PRO:HA	20	0.92
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	2	0.92
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	4	0.92
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	14	0.92
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	4	0.92
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	12	0.92
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	19	0.92
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	5	0.92
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	6	0.92
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	9	0.92
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	11	0.92
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	15	0.92
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	15	0.92
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	16	0.92
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	5	0.92
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	5	0.92
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	5	0.92
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	1	0.92
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	8	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1272)	1:30:A:LEU:HB3	1:30:A:LEU:H	16	0.92
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	17	0.92
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	2	0.92
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	6	0.92
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	14	0.92
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	17	0.92
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	14	0.92
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	3	0.92
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	2	0.92
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	7	0.92
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	15	0.92
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	4	0.92
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	2	0.92
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	2	0.92
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	3	0.92
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	5	0.92
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	11	0.92
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	19	0.92
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	1	0.92
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	7	0.92
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	19	0.92
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	20	0.92
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	8	0.92
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	8	0.92
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	8	0.92
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	20	0.92
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	20	0.92
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	20	0.92
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	6	0.92
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	7	0.92
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	9	0.92
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	11	0.92
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	13	0.92
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	15	0.92
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	18	0.92
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	17	0.92
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	1	0.92
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	5	0.92
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	5	0.92
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	5	0.92
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	5	0.92
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	13	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	1	0.92
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	1	0.92
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	1	0.92
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	8	0.92
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	13	0.92
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	11	0.92
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	3	0.92
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	16	0.92
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	8	0.92
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	2	0.92
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	7	0.92
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	17	0.92
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	18	0.92
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	3	0.92
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	15	0.92
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	13	0.92
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	13	0.92
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	13	0.92
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	13	0.92
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	11	0.92
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	11	0.92
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	11	0.92
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	2	0.92
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	5	0.92
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	7	0.92
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	13	0.92
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	16	0.92
(2,509)	1:23:A:ARG:HB2	1:23:A:ARG:HA	19	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	1	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	5	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	6	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	8	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	9	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	10	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	11	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	13	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	15	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	17	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	18	0.92
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	20	0.92
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	8	0.92
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	13	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	13	0.92
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	13	0.92
(2,318)	1:33:A:ASN:HB2	1:33:A:ASN:HA	8	0.92
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	10	0.92
(2,284)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	7	0.92
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	20	0.92
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	9	0.92
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	9	0.92
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	9	0.92
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	4	0.92
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	4	0.92
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	7	0.92
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	11	0.92
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	17	0.92
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	5	0.92
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	8	0.92
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	13	0.92
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	14	0.92
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	15	0.92
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	20	0.92
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	5	0.92
(2,60)	1:94:A:PRO:HA	1:94:A:PRO:HD2	3	0.92
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	3	0.92
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	3	0.92
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	9	0.92
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	9	0.92
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	16	0.92
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	16	0.92
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	20	0.92
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	20	0.92
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	13	0.92
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	14	0.92
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	20	0.92
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	8	0.92
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	8	0.92
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	8	0.92
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	8	0.92
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	8	0.92
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	8	0.92
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	12	0.92
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	12	0.92
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	12	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	12	0.92
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	12	0.92
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	12	0.92
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	18	0.91
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	20	0.91
(4,1393)	1:10:A:LYS:HE3	1:11:A:GLN:H	4	0.91
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	10	0.91
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	7	0.91
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	7	0.91
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	4	0.91
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	4	0.91
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	4	0.91
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	9	0.91
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	9	0.91
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	9	0.91
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	2	0.91
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	8	0.91
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	13	0.91
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	15	0.91
(4,1089)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	19	0.91
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	10	0.91
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	4	0.91
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	4	0.91
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	8	0.91
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	8	0.91
(4,907)	1:80:A:LYS:HG2	1:80:A:LYS:H	3	0.91
(4,907)	1:80:A:LYS:HG2	1:80:A:LYS:H	14	0.91
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	9	0.91
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	15	0.91
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	16	0.91
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	20	0.91
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	2	0.91
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	5	0.91
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	11	0.91
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	14	0.91
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	18	0.91
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	1	0.91
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	13	0.91
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	12	0.91
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	12	0.91
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	12	0.91
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	6	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	13	0.91
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	1	0.91
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	17	0.91
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	6	0.91
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	17	0.91
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	19	0.91
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	2	0.91
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	6	0.91
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	5	0.91
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	3	0.91
(4,81)	1:10:A:LYS:HE2	1:11:A:GLN:H	1	0.91
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	6	0.91
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	7	0.91
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	8	0.91
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	9	0.91
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	10	0.91
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	14	0.91
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	15	0.91
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	14	0.91
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	1	0.91
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	1	0.91
(3,29)	1:111:A:PHE:HA	1:111:A:PHE:HD1	16	0.91
(3,29)	1:111:A:PHE:HA	1:111:A:PHE:HD2	16	0.91
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	2	0.91
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	2	0.91
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	2	0.91
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	2	0.91
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	2	0.91
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	2	0.91
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	10	0.91
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	1	0.91
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	13	0.91
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	1	0.91
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	17	0.91
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	4	0.91
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	2	0.91
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	4	0.91
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	12	0.91
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	3	0.91
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	7	0.91
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	8	0.91
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	10	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	20	0.91
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	8	0.91
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	13	0.91
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	3	0.91
(2,2863)	1:57:A:ILE:H	1:56:A:THR:HA	12	0.91
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	3	0.91
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	13	0.91
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	20	0.91
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	1	0.91
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	2	0.91
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	3	0.91
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	4	0.91
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	5	0.91
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	6	0.91
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	9	0.91
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	12	0.91
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	16	0.91
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	17	0.91
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	18	0.91
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	19	0.91
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	3	0.91
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	18	0.91
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	8	0.91
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	10	0.91
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	10	0.91
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	10	0.91
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	14	0.91
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	14	0.91
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	14	0.91
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	7	0.91
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	18	0.91
(2,2712)	1:2:A:ARG:HA	1:3:A:LYS:H	12	0.91
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	7	0.91
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	8	0.91
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	9	0.91
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	11	0.91
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	16	0.91
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	18	0.91
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	14	0.91
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	3	0.91
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	4	0.91
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	13	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	2	0.91
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	16	0.91
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	11	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	1	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	2	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	3	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	4	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	5	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	6	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	7	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	8	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	9	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	10	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	11	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	12	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	13	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	14	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	15	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	16	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	17	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	18	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	19	0.91
(2,2607)	1:45:A:SER:HB2	1:45:A:SER:HB3	20	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	1	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	3	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	4	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	5	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	6	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	7	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	8	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	9	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	10	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	11	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	12	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	13	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	16	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	17	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	19	0.91
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	20	0.91
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	2	0.91
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	5	0.91
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	17	0.91
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	2	0.91
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	3	0.91
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	5	0.91
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	9	0.91
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	12	0.91
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	16	0.91
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	11	0.91
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	13	0.91
(2,2516)	1:10:A:LYS:HA	1:11:A:GLN:H	8	0.91
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	6	0.91
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	18	0.91
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	20	0.91
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	1	0.91
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	1	0.91
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	1	0.91
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	13	0.91
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	13	0.91
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	13	0.91
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	5	0.91
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	1	0.91
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	2	0.91
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	3	0.91
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	6	0.91
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	7	0.91
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	8	0.91
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	10	0.91
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	15	0.91
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	18	0.91
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	11	0.91
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	11	0.91
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	11	0.91
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	13	0.91
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	16	0.91
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	2	0.91
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	13	0.91
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	17	0.91
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	6	0.91
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	18	0.91
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	4	0.91
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	4	0.91
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	4	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	12	0.91
(2,2260)	1:24:A:ILE:HA	1:24:A:ILE:HG12	19	0.91
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	9	0.91
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	6	0.91
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	8	0.91
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	8	0.91
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	10	0.91
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	17	0.91
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	20	0.91
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	15	0.91
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	7	0.91
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	2	0.91
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	1	0.91
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	3	0.91
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	4	0.91
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	8	0.91
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	9	0.91
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	12	0.91
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	14	0.91
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	17	0.91
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	19	0.91
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	9	0.91
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	20	0.91
(2,2019)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	3	0.91
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	16	0.91
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	5	0.91
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	11	0.91
(2,1927)	1:153:A:LEU:HD11	1:154:A:ALA:H	20	0.91
(2,1927)	1:153:A:LEU:HD12	1:154:A:ALA:H	20	0.91
(2,1927)	1:153:A:LEU:HD13	1:154:A:ALA:H	20	0.91
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	13	0.91
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	7	0.91
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	16	0.91
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	8	0.91
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	8	0.91
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	8	0.91
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	12	0.91
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	12	0.91
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	12	0.91
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	18	0.91
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	18	0.91
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	18	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	3	0.91
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	10	0.91
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	7	0.91
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	7	0.91
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	7	0.91
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	19	0.91
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	19	0.91
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	19	0.91
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	5	0.91
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	6	0.91
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	7	0.91
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	10	0.91
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	11	0.91
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	19	0.91
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	5	0.91
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	9	0.91
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	20	0.91
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	5	0.91
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	15	0.91
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	6	0.91
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	10	0.91
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	12	0.91
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	1	0.91
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	2	0.91
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	19	0.91
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	1	0.91
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	1	0.91
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	1	0.91
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	3	0.91
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	3	0.91
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	3	0.91
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	14	0.91
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	14	0.91
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	14	0.91
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	2	0.91
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	6	0.91
(2,1439)	1:89:A:ILE:H	1:89:A:ILE:HA	18	0.91
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	4	0.91
(2,1379)	1:136:A:LYS:HG3	1:136:A:LYS:HD2	10	0.91
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	11	0.91
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	10	0.91
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	7	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1261)	1:104:A:GLN:HG3	1:104:A:GLN:HA	18	0.91
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	18	0.91
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	3	0.91
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	19	0.91
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	15	0.91
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	15	0.91
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	15	0.91
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	15	0.91
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	15	0.91
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	15	0.91
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	15	0.91
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	15	0.91
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	15	0.91
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	1	0.91
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	2	0.91
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	11	0.91
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	20	0.91
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	1	0.91
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	4	0.91
(2,1136)	1:144:A:ARG:HD3	1:143:A:ILE:HG12	4	0.91
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	2	0.91
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	13	0.91
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	18	0.91
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	1	0.91
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	6	0.91
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	7	0.91
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	8	0.91
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	14	0.91
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	18	0.91
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	16	0.91
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	16	0.91
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	16	0.91
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	4	0.91
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	7	0.91
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	16	0.91
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	17	0.91
(2,995)	1:5:A:LEU:HD11	1:5:A:LEU:H	17	0.91
(2,995)	1:5:A:LEU:HD12	1:5:A:LEU:H	17	0.91
(2,995)	1:5:A:LEU:HD13	1:5:A:LEU:H	17	0.91
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	3	0.91
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	3	0.91
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	3	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	10	0.91
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	17	0.91
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	1	0.91
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	8	0.91
(2,947)	1:91:A:THR:HB	1:91:A:THR:HA	12	0.91
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	8	0.91
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	15	0.91
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	1	0.91
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	1	0.91
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	1	0.91
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	4	0.91
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	4	0.91
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	4	0.91
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	6	0.91
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	6	0.91
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	6	0.91
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	7	0.91
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	7	0.91
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	7	0.91
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	8	0.91
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	8	0.91
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	8	0.91
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	11	0.91
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	11	0.91
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	11	0.91
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	12	0.91
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	12	0.91
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	12	0.91
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	14	0.91
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	14	0.91
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	14	0.91
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	15	0.91
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	15	0.91
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	15	0.91
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	16	0.91
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	16	0.91
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	16	0.91
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	18	0.91
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	18	0.91
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	18	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	4	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	4	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	4	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	5	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	5	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	5	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	6	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	6	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	6	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	10	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	10	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	10	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	12	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	12	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	12	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	14	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	14	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	14	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	17	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	17	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	17	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	18	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	18	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	18	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	19	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	19	0.91
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	19	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	1	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	2	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	4	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	5	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	6	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	7	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	9	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	11	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	13	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	15	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	16	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	17	0.91
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	20	0.91
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	8	0.91
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	12	0.91
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	20	0.91
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	4	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	8	0.91
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	14	0.91
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	13	0.91
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	19	0.91
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	8	0.91
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	17	0.91
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	12	0.91
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD21	6	0.91
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD22	6	0.91
(2,617)	1:116:A:LEU:HB3	1:116:A:LEU:HD23	6	0.91
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	3	0.91
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	10	0.91
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	1	0.91
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	2	0.91
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	8	0.91
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	13	0.91
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	18	0.91
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	10	0.91
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	15	0.91
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	9	0.91
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	9	0.91
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	9	0.91
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	3	0.91
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	5	0.91
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	9	0.91
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	11	0.91
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	13	0.91
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	14	0.91
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	15	0.91
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	16	0.91
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	19	0.91
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	19	0.91
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	19	0.91
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	2	0.91
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	3	0.91
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	4	0.91
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	7	0.91
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	12	0.91
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	14	0.91
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	16	0.91
(2,464)	1:24:A:ILE:HA	1:24:A:ILE:H	19	0.91
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	9	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	17	0.91
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	16	0.91
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	5	0.91
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	2	0.91
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	6	0.91
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	15	0.91
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	17	0.91
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	4	0.91
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	18	0.91
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	17	0.91
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	16	0.91
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	17	0.91
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	20	0.91
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	1	0.91
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	1	0.91
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	17	0.91
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	17	0.91
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	19	0.91
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	19	0.91
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	10	0.91
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	7	0.91
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	7	0.91
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	7	0.91
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	7	0.91
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	7	0.91
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	7	0.91
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	7	0.91
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	7	0.91
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	7	0.91
(4,1541)	1:77:A:ARG:HD3	1:77:A:ARG:H	1	0.9
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	2	0.9
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	11	0.9
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	11	0.9
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	11	0.9
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	13	0.9
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	13	0.9
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	13	0.9
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	5	0.9
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	8	0.9
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	6	0.9
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	6	0.9
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	11	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	2	0.9
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	2	0.9
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	2	0.9
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	14	0.9
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	14	0.9
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	14	0.9
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	5	0.9
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	12	0.9
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	12	0.9
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	12	0.9
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	13	0.9
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	13	0.9
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	13	0.9
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	4	0.9
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	9	0.9
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	13	0.9
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	19	0.9
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	4	0.9
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	6	0.9
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	5	0.9
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	18	0.9
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	7	0.9
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	16	0.9
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	18	0.9
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	4	0.9
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	6	0.9
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	9	0.9
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	13	0.9
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	11	0.9
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	17	0.9
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	13	0.9
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	12	0.9
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	20	0.9
(4,433)	1:162:A:ARG:HB3	1:162:A:ARG:H	4	0.9
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	6	0.9
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	3	0.9
(4,229)	1:37:A:GLN:H	1:37:A:GLN:HG3	1	0.9
(4,229)	1:37:A:GLN:H	1:37:A:GLN:HG3	5	0.9
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	3	0.9
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	12	0.9
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	17	0.9
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	10	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	4	0.9
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	4	0.9
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	13	0.9
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	13	0.9
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	15	0.9
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	15	0.9
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	19	0.9
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	19	0.9
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	11	0.9
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	11	0.9
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	11	0.9
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	11	0.9
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	11	0.9
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	11	0.9
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	4	0.9
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	13	0.9
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	15	0.9
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	18	0.9
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	19	0.9
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	15	0.9
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	19	0.9
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	20	0.9
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	20	0.9
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	20	0.9
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	1	0.9
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	2	0.9
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	3	0.9
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	7	0.9
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	10	0.9
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	12	0.9
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	13	0.9
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	16	0.9
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	20	0.9
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	16	0.9
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	16	0.9
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	16	0.9
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	9	0.9
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	9	0.9
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	9	0.9
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	18	0.9
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	18	0.9
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	18	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	14	0.9
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	5	0.9
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	19	0.9
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	16	0.9
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	17	0.9
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	12	0.9
(2,2915)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	15	0.9
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	14	0.9
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	6	0.9
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	12	0.9
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	10	0.9
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	14	0.9
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	9	0.9
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	5	0.9
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	18	0.9
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	18	0.9
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	18	0.9
(2,2770)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	20	0.9
(2,2770)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	20	0.9
(2,2770)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	20	0.9
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	2	0.9
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	16	0.9
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	20	0.9
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	14	0.9
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	17	0.9
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	18	0.9
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	4	0.9
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	7	0.9
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	11	0.9
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	13	0.9
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	3	0.9
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	3	0.9
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	3	0.9
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	9	0.9
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	19	0.9
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	4	0.9
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	7	0.9
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	12	0.9
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	20	0.9
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	3	0.9
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	11	0.9
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	5	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	5	0.9
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	5	0.9
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	7	0.9
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	7	0.9
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	7	0.9
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	18	0.9
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	18	0.9
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	18	0.9
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	9	0.9
(2,2440)	1:79:A:MET:HB3	1:79:A:MET:HA	11	0.9
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	7	0.9
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	1	0.9
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	3	0.9
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	12	0.9
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD11	17	0.9
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD12	17	0.9
(2,2318)	1:151:A:ILE:HA	1:151:A:ILE:HD13	17	0.9
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	11	0.9
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	11	0.9
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	11	0.9
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	14	0.9
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	17	0.9
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	11	0.9
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	2	0.9
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	4	0.9
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	10	0.9
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	3	0.9
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	4	0.9
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	9	0.9
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	12	0.9
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	16	0.9
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	18	0.9
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	19	0.9
(2,2178)	1:168:A:GLY:H	1:167:A:ARG:HA	20	0.9
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	4	0.9
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	16	0.9
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	9	0.9
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	16	0.9
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	3	0.9
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	7	0.9
(2,2127)	1:45:A:SER:HB2	1:45:A:SER:HA	10	0.9
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	6	0.9
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	8	0.9
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	9	0.9
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	14	0.9
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	16	0.9
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	17	0.9
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	18	0.9
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	19	0.9
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	6	0.9
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	10	0.9
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	7	0.9
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	13	0.9
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	14	0.9
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	18	0.9
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	5	0.9
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	6	0.9
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	7	0.9
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	13	0.9
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	20	0.9
(2,2019)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	5	0.9
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	19	0.9
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	6	0.9
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	2	0.9
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	6	0.9
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	13	0.9
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	13	0.9
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	13	0.9
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	11	0.9
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	20	0.9
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	3	0.9
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	1	0.9
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	1	0.9
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	1	0.9
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	3	0.9
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	3	0.9
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	3	0.9
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	4	0.9
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	4	0.9
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	4	0.9
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	5	0.9
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	5	0.9
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	5	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	6	0.9
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	6	0.9
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	6	0.9
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	13	0.9
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	13	0.9
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	13	0.9
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	16	0.9
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	16	0.9
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	16	0.9
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	5	0.9
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	14	0.9
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	14	0.9
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	14	0.9
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	4	0.9
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	4	0.9
(2,1761)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	4	0.9
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	17	0.9
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	17	0.9
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	17	0.9
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	4	0.9
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	19	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	6	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	6	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	6	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	7	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	7	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	7	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	9	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	9	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	9	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	10	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	10	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	10	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	18	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	18	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	18	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	20	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	20	0.9
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	20	0.9
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	1	0.9
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	2	0.9
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	3	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	8	0.9
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	12	0.9
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	14	0.9
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	15	0.9
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	17	0.9
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	18	0.9
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	20	0.9
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	14	0.9
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	2	0.9
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	4	0.9
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	6	0.9
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	9	0.9
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	12	0.9
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	13	0.9
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	14	0.9
(2,1629)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	17	0.9
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	8	0.9
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	12	0.9
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	16	0.9
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	8	0.9
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	17	0.9
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	5	0.9
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	13	0.9
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	16	0.9
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	17	0.9
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	15	0.9
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	4	0.9
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	12	0.9
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	12	0.9
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	12	0.9
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	17	0.9
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	17	0.9
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	17	0.9
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	4	0.9
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	2	0.9
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	14	0.9
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	3	0.9
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	10	0.9
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	11	0.9
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	19	0.9
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	7	0.9
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	18	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	8	0.9
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	20	0.9
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	4	0.9
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	15	0.9
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	19	0.9
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	10	0.9
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	11	0.9
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	12	0.9
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	13	0.9
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	6	0.9
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	14	0.9
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	3	0.9
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	4	0.9
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	7	0.9
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	19	0.9
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	10	0.9
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	12	0.9
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	15	0.9
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	17	0.9
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	19	0.9
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	8	0.9
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	8	0.9
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	8	0.9
(2,1067)	1:30:A:LEU:HD21	1:30:A:LEU:H	9	0.9
(2,1067)	1:30:A:LEU:HD22	1:30:A:LEU:H	9	0.9
(2,1067)	1:30:A:LEU:HD23	1:30:A:LEU:H	9	0.9
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	13	0.9
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	14	0.9
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	8	0.9
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	12	0.9
(2,1024)	1:23:A:ARG:HD2	1:23:A:ARG:HA	20	0.9
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	2	0.9
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	13	0.9
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	9	0.9
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	9	0.9
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	9	0.9
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	7	0.9
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	8	0.9
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	9	0.9
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	11	0.9
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	15	0.9
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	20	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	3	0.9
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	9	0.9
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	13	0.9
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	14	0.9
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	18	0.9
(2,925)	1:93:A:THR:HB	1:93:A:THR:HA	16	0.9
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	5	0.9
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	2	0.9
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	2	0.9
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	2	0.9
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	3	0.9
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	3	0.9
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	3	0.9
(2,919)	1:57:A:ILE:HG21	1:57:A:ILE:HG13	20	0.9
(2,919)	1:57:A:ILE:HG22	1:57:A:ILE:HG13	20	0.9
(2,919)	1:57:A:ILE:HG23	1:57:A:ILE:HG13	20	0.9
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	3	0.9
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	2	0.9
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	2	0.9
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	2	0.9
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	3	0.9
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	3	0.9
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	3	0.9
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	11	0.9
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	11	0.9
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	11	0.9
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	3	0.9
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	10	0.9
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	12	0.9
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	14	0.9
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	18	0.9
(2,837)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	19	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	1	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	2	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	3	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	4	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	5	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	6	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	8	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	9	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	11	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	13	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	14	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	15	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	17	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	19	0.9
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	20	0.9
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	11	0.9
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	16	0.9
(2,750)	1:15:A:LEU:HB2	1:15:A:LEU:H	6	0.9
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	7	0.9
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	7	0.9
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	13	0.9
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	12	0.9
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	12	0.9
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	12	0.9
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	12	0.9
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	4	0.9
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	9	0.9
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	13	0.9
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	17	0.9
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	6	0.9
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	6	0.9
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	6	0.9
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	8	0.9
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	8	0.9
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	8	0.9
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	15	0.9
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	15	0.9
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	15	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	1	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	2	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	4	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	6	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	7	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	8	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	10	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	12	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	16	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	17	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	18	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	19	0.9
(2,572)	1:71:A:THR:HA	1:71:A:THR:HB	20	0.9
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	3	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	20	0.9
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	2	0.9
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	2	0.9
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	2	0.9
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	14	0.9
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	14	0.9
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	14	0.9
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	2	0.9
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	6	0.9
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	19	0.9
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	14	0.9
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	14	0.9
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	14	0.9
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	7	0.9
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	3	0.9
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	12	0.9
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	18	0.9
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	14	0.9
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	1	0.9
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	3	0.9
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	5	0.9
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	8	0.9
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	9	0.9
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	12	0.9
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	16	0.9
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	3	0.9
(2,98)	1:26:A:THR:HB	1:26:A:THR:HA	6	0.9
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	1	0.9
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	15	0.9
(2,37)	1:88:A:LYS:HG2	1:88:A:LYS:HA	12	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	5	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	5	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	8	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	8	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	10	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	10	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	13	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	13	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	14	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	14	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	15	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	15	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	18	0.9
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	18	0.9
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	1	0.9
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	1	0.9
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	1	0.9
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	1	0.9
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	1	0.9
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	1	0.9
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	2	0.9
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	2	0.9
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	2	0.9
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	2	0.9
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	2	0.9
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	2	0.9
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	3	0.9
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	3	0.9
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	3	0.9
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	3	0.9
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	3	0.9
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	3	0.9
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	11	0.9
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	11	0.9
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	11	0.9
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	11	0.9
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	11	0.9
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	11	0.9
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	11	0.9
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	11	0.9
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	11	0.9
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	15	0.9
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	15	0.9
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	15	0.9
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	15	0.9
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	15	0.9
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	15	0.9
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	15	0.9
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	15	0.9
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	15	0.9
(4,1440)	1:140:A:LYS:HG2	1:141:A:GLY:H	18	0.89
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	2	0.89
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	6	0.89
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	18	0.89
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	2	0.89
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	3	0.89
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	9	0.89
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	16	0.89
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	17	0.89
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	19	0.89
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	20	0.89
(4,1290)	1:23:A:ARG:HD2	1:23:A:ARG:H	11	0.89
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	9	0.89
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	16	0.89
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	12	0.89
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	13	0.89
(4,1081)	1:79:A:MET:H	1:79:A:MET:HB2	17	0.89
(4,1078)	1:136:A:LYS:HG3	1:137:A:ALA:H	20	0.89
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	7	0.89
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	8	0.89
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	14	0.89
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	17	0.89
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	4	0.89
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	8	0.89
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	11	0.89
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	15	0.89
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	18	0.89
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	5	0.89
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	12	0.89
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	19	0.89
(4,710)	1:84:A:ILE:HD11	1:85:A:ALA:H	2	0.89
(4,710)	1:84:A:ILE:HD12	1:85:A:ALA:H	2	0.89
(4,710)	1:84:A:ILE:HD13	1:85:A:ALA:H	2	0.89
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	2	0.89
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	10	0.89
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	11	0.89
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	19	0.89
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	18	0.89
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	18	0.89
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	18	0.89
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	4	0.89
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	7	0.89
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	10	0.89
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	11	0.89
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	17	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	20	0.89
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	2	0.89
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	18	0.89
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	9	0.89
(4,299)	1:142:A:CYS:HA	1:143:A:ILE:H	20	0.89
(4,229)	1:37:A:GLN:H	1:37:A:GLN:HG3	13	0.89
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	18	0.89
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	10	0.89
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	20	0.89
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	20	0.89
(4,104)	1:153:A:LEU:HG	1:154:A:ALA:H	15	0.89
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	19	0.89
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	16	0.89
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	1	0.89
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	8	0.89
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	4	0.89
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	2	0.89
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	2	0.89
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	19	0.89
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	19	0.89
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	20	0.89
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	20	0.89
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	3	0.89
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	3	0.89
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	6	0.89
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	6	0.89
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	8	0.89
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	8	0.89
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	13	0.89
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	13	0.89
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	9	0.89
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	9	0.89
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	17	0.89
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	17	0.89
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	7	0.89
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	7	0.89
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	7	0.89
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	7	0.89
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	7	0.89
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	7	0.89
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	16	0.89
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	16	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	16	0.89
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	16	0.89
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	16	0.89
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	16	0.89
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	15	0.89
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	15	0.89
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	8	0.89
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	8	0.89
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	8	0.89
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	8	0.89
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	8	0.89
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	8	0.89
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	15	0.89
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	15	0.89
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	15	0.89
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	15	0.89
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	15	0.89
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	15	0.89
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	19	0.89
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	19	0.89
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	19	0.89
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	19	0.89
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	19	0.89
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	19	0.89
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	10	0.89
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	10	0.89
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	10	0.89
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	10	0.89
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	18	0.89
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	19	0.89
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	11	0.89
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	16	0.89
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	11	0.89
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	6	0.89
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	6	0.89
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	6	0.89
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	7	0.89
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	5	0.89
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	6	0.89
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	8	0.89
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	9	0.89
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	17	0.89
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	18	0.89
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	19	0.89
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	1	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	1	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	1	0.89
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	3	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	3	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	3	0.89
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	5	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	5	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	5	0.89
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	6	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	6	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	6	0.89
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	7	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	7	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	7	0.89
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	8	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	8	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	8	0.89
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	10	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	10	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	10	0.89
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	12	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	12	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	12	0.89
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	13	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	13	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	13	0.89
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	15	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	15	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	15	0.89
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	16	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	16	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	16	0.89
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	19	0.89
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	19	0.89
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	19	0.89
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	19	0.89
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	19	0.89
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	4	0.89
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	4	0.89
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	4	0.89
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	5	0.89
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	5	0.89
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	5	0.89
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	16	0.89
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	16	0.89
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	16	0.89
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	20	0.89
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	20	0.89
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	20	0.89
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	5	0.89
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	12	0.89
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	13	0.89
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	14	0.89
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	19	0.89
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	1	0.89
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	10	0.89
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	10	0.89
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	4	0.89
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	17	0.89
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	1	0.89
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	3	0.89
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	4	0.89
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	5	0.89
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	8	0.89
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	9	0.89
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	10	0.89
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	12	0.89
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	13	0.89
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	15	0.89
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	17	0.89
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	10	0.89
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	20	0.89
(2,2679)	1:44:A:GLN:HB2	1:44:A:GLN:HG3	7	0.89
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	7	0.89
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	11	0.89
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	19	0.89
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	1	0.89
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	7	0.89
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	3	0.89
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	1	0.89
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	2	0.89
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	8	0.89
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	9	0.89
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	16	0.89
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	17	0.89
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	18	0.89
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	19	0.89
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	14	0.89
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	14	0.89
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	14	0.89
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	15	0.89
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	15	0.89
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	15	0.89
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	17	0.89
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	17	0.89
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	17	0.89
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	9	0.89
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	10	0.89
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	5	0.89
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	5	0.89
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	5	0.89
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	5	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	1	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	2	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	3	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	4	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	5	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	7	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	8	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	9	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	11	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	12	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	13	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	14	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	15	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	16	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	17	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	18	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	19	0.89
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	20	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	5	0.89
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	7	0.89
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	14	0.89
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	1	0.89
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	4	0.89
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	10	0.89
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	7	0.89
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	13	0.89
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	5	0.89
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	9	0.89
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	13	0.89
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	14	0.89
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	17	0.89
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	5	0.89
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	6	0.89
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	11	0.89
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	13	0.89
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	15	0.89
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	20	0.89
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	12	0.89
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	17	0.89
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	20	0.89
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	3	0.89
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	1	0.89
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	3	0.89
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	4	0.89
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	5	0.89
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	11	0.89
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	12	0.89
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	13	0.89
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	15	0.89
(2,2090)	1:4:A:LEU:HA	1:4:A:LEU:H	20	0.89
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	1	0.89
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	5	0.89
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	15	0.89
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	11	0.89
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	16	0.89
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	7	0.89
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	11	0.89
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	17	0.89
(2,1789)	1:74:A:LEU:HD11	1:74:A:LEU:HA	19	0.89
(2,1789)	1:74:A:LEU:HD12	1:74:A:LEU:HA	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1789)	1:74:A:LEU:HD13	1:74:A:LEU:HA	19	0.89
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	2	0.89
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	14	0.89
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	17	0.89
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	3	0.89
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	14	0.89
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	20	0.89
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	1	0.89
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	1	0.89
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	1	0.89
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	2	0.89
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	2	0.89
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	2	0.89
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	4	0.89
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	4	0.89
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	4	0.89
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	7	0.89
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	7	0.89
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	7	0.89
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	8	0.89
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	8	0.89
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	8	0.89
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	9	0.89
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	9	0.89
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	9	0.89
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	13	0.89
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	13	0.89
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	13	0.89
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	17	0.89
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	17	0.89
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	17	0.89
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	18	0.89
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	18	0.89
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	18	0.89
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	6	0.89
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	6	0.89
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	6	0.89
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	2	0.89
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	10	0.89
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	16	0.89
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	17	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	1	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	1	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	1	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	2	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	2	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	2	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	8	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	8	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	8	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	14	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	14	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	14	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	15	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	15	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	15	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	16	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	16	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	16	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE1	19	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE2	19	0.89
(2,1689)	1:79:A:MET:HG2	1:79:A:MET:HE3	19	0.89
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	20	0.89
(2,1638)	1:77:A:ARG:HA	1:77:A:ARG:H	9	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	3	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	4	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	5	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	6	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	7	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	8	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	9	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	10	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	11	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	12	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	13	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	15	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	16	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	18	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	19	0.89
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	20	0.89
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	2	0.89
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	1	0.89
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	3	0.89
(2,1590)	1:103:A:ARG:HB2	1:103:A:ARG:HA	6	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	1	0.89
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	18	0.89
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	4	0.89
(2,1573)	1:104:A:GLN:HB2	1:104:A:GLN:HA	8	0.89
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	8	0.89
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	16	0.89
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	18	0.89
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	6	0.89
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	6	0.89
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	6	0.89
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	2	0.89
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	2	0.89
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	2	0.89
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	12	0.89
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	12	0.89
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	12	0.89
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	20	0.89
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	20	0.89
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	20	0.89
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	4	0.89
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	1	0.89
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	1	0.89
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	1	0.89
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	1	0.89
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	1	0.89
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	1	0.89
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	1	0.89
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	1	0.89
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	1	0.89
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	5	0.89
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	5	0.89
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	5	0.89
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	5	0.89
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	5	0.89
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	5	0.89
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	5	0.89
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	5	0.89
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	5	0.89
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	12	0.89
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	12	0.89
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	12	0.89
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	12	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	12	0.89
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	12	0.89
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	12	0.89
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	12	0.89
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	12	0.89
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	19	0.89
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	19	0.89
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	19	0.89
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	19	0.89
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	19	0.89
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	19	0.89
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	19	0.89
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	19	0.89
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	19	0.89
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	14	0.89
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	8	0.89
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	4	0.89
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	7	0.89
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	5	0.89
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	1	0.89
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	2	0.89
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	3	0.89
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	6	0.89
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	7	0.89
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	14	0.89
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	15	0.89
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	18	0.89
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	8	0.89
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	6	0.89
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	11	0.89
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	15	0.89
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	20	0.89
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	2	0.89
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	3	0.89
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	5	0.89
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	13	0.89
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	16	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	4	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	4	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	4	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	4	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	4	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	4	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	4	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	4	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	4	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	7	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	7	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	7	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	7	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	7	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	7	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	7	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	7	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	7	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	8	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	8	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	8	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	8	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	8	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	8	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	8	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	8	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	8	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	11	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	11	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	11	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	11	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	11	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	11	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	11	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	11	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	11	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	12	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	12	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	12	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	12	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	12	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	12	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	12	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	12	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	12	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	13	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	13	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	13	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	13	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	13	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	13	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	13	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	13	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	13	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	14	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	14	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	14	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	14	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	14	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	14	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	14	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	14	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	14	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	15	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	15	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	15	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	15	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	15	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	15	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	15	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	15	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	15	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	17	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	17	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	17	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	17	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	17	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	17	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	17	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	17	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	17	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	18	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	18	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	18	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	18	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	18	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	18	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	18	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	18	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	18	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	19	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	19	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	19	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	19	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	19	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	19	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	19	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	19	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	19	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	20	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	20	0.89
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	20	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	20	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	20	0.89
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	20	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	20	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	20	0.89
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	20	0.89
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	7	0.89
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	18	0.89
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	1	0.89
(2,1043)	1:15:A:LEU:HA	1:15:A:LEU:HB2	9	0.89
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	1	0.89
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	2	0.89
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	7	0.89
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	13	0.89
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	16	0.89
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	19	0.89
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	20	0.89
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	5	0.89
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	12	0.89
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	4	0.89
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	18	0.89
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	1	0.89
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	2	0.89
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	3	0.89
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	4	0.89
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	5	0.89
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	6	0.89
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	10	0.89
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	12	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	13	0.89
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	14	0.89
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	17	0.89
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	18	0.89
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	19	0.89
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	2	0.89
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	6	0.89
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	14	0.89
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	5	0.89
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	7	0.89
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	8	0.89
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	9	0.89
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	11	0.89
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	12	0.89
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	15	0.89
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	19	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	7	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	7	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	7	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	8	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	8	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	8	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	9	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	9	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	9	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	13	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	13	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	13	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	16	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	16	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	16	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	20	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	20	0.89
(2,863)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	20	0.89
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	4	0.89
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	7	0.89
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	10	0.89
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	16	0.89
(2,827)	1:136:A:LYS:HD2	1:136:A:LYS:HD3	18	0.89
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	1	0.89
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	6	0.89
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	12	0.89
(2,707)	1:107:A:PRO:HD3	1:108:A:GLY:H	14	0.89
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	8	0.89
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	15	0.89
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	16	0.89
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	20	0.89
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	14	0.89
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	5	0.89
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	20	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	1	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	2	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	4	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	5	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	6	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	7	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	8	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	9	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	10	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	11	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	12	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	13	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	14	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	15	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	17	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	18	0.89
(2,531)	1:80:A:LYS:HE2	1:80:A:LYS:HE3	19	0.89
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	7	0.89
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	7	0.89
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	7	0.89
(2,525)	1:5:A:LEU:HD21	1:5:A:LEU:HA	10	0.89
(2,525)	1:5:A:LEU:HD22	1:5:A:LEU:HA	10	0.89
(2,525)	1:5:A:LEU:HD23	1:5:A:LEU:HA	10	0.89
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	8	0.89
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	16	0.89
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	20	0.89
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	20	0.89
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	20	0.89
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	14	0.89
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	11	0.89
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	11	0.89
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	1	0.89
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	1	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	4	0.89
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	4	0.89
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	11	0.89
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	13	0.89
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	14	0.89
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	18	0.89
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	19	0.89
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	20	0.89
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	6	0.89
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	8	0.89
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	10	0.89
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	17	0.89
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	4	0.89
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	12	0.89
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	17	0.89
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	2	0.89
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	2	0.89
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE1	12	0.89
(2,27)	1:22:A:PHE:HA	1:22:A:PHE:HE2	12	0.89
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	4	0.89
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	4	0.89
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	4	0.89
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	4	0.89
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	4	0.89
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	4	0.89
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	4	0.89
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	4	0.89
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	4	0.89
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	16	0.89
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	16	0.89
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	16	0.89
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	16	0.89
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	16	0.89
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	16	0.89
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	16	0.89
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	16	0.89
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	16	0.89
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	16	0.88
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	6	0.88
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	6	0.88
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	6	0.88
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	7	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	10	0.88
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	14	0.88
(4,1322)	1:166:A:ASN:H	1:166:A:ASN:HD21	16	0.88
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	10	0.88
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	14	0.88
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	15	0.88
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	18	0.88
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	9	0.88
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	9	0.88
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	6	0.88
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	10	0.88
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	15	0.88
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	4	0.88
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	7	0.88
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	2	0.88
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	2	0.88
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	2	0.88
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	19	0.88
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	19	0.88
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	19	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	1	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	3	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	5	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	6	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	7	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	8	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	9	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	10	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	11	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	12	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	14	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	16	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	17	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	18	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	19	0.88
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	20	0.88
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	3	0.88
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	7	0.88
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	10	0.88
(4,966)	1:2:A:ARG:HG3	1:2:A:ARG:H	10	0.88
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	7	0.88
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	17	0.88
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	11	0.88
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	16	0.88
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	14	0.88
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	17	0.88
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	19	0.88
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	7	0.88
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	15	0.88
(4,633)	1:121:A:GLN:HG3	1:122:A:HIS:H	8	0.88
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	18	0.88
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	6	0.88
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	3	0.88
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	7	0.88
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	20	0.88
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	2	0.88
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	6	0.88
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	9	0.88
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	14	0.88
(4,287)	1:161:A:THR:HG21	1:162:A:ARG:H	17	0.88
(4,287)	1:161:A:THR:HG22	1:162:A:ARG:H	17	0.88
(4,287)	1:161:A:THR:HG23	1:162:A:ARG:H	17	0.88
(4,229)	1:37:A:GLN:H	1:37:A:GLN:HG3	9	0.88
(4,229)	1:37:A:GLN:H	1:37:A:GLN:HG3	20	0.88
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	18	0.88
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	11	0.88
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	15	0.88
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	12	0.88
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	18	0.88
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	12	0.88
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	12	0.88
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	14	0.88
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	14	0.88
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	5	0.88
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	13	0.88
(4,105)	1:120:A:LYS:HG3	1:121:A:GLN:H	9	0.88
(4,104)	1:153:A:LEU:HG	1:154:A:ALA:H	10	0.88
(4,60)	1:124:A:GLY:HA3	1:124:A:GLY:H	4	0.88
(4,25)	1:165:A:ILE:HG12	1:166:A:ASN:H	12	0.88
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	9	0.88
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	10	0.88
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	9	0.88
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	9	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	18	0.88
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	18	0.88
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	1	0.88
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	1	0.88
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	15	0.88
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	15	0.88
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	16	0.88
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	16	0.88
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	16	0.88
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	16	0.88
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	16	0.88
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	16	0.88
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	3	0.88
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	3	0.88
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	6	0.88
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	6	0.88
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	7	0.88
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	7	0.88
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	10	0.88
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	10	0.88
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	18	0.88
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	18	0.88
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	3	0.88
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	3	0.88
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	9	0.88
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	9	0.88
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	13	0.88
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	13	0.88
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	2	0.88
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	2	0.88
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	2	0.88
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	2	0.88
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	2	0.88
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	2	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	1	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	1	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	1	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	1	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	2	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	2	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	2	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	3	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	3	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	3	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	3	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	4	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	4	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	4	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	4	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	5	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	5	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	5	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	5	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	6	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	6	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	6	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	6	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	7	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	7	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	7	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	7	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	8	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	8	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	8	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	8	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	9	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	9	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	9	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	9	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	11	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	11	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	11	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	11	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	12	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	12	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	12	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	12	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	13	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	13	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	13	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	13	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	14	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	14	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	14	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	14	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	15	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	15	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	15	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	15	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	16	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	16	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	16	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	16	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	17	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	17	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	17	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	17	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	18	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	18	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	18	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	18	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	19	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	19	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	19	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	19	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	20	0.88
(3,10)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	20	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	20	0.88
(3,10)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	20	0.88
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	8	0.88
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	13	0.88
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	2	0.88
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	3	0.88
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	12	0.88
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	8	0.88
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	4	0.88
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	18	0.88
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	19	0.88
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	8	0.88
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	8	0.88
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	11	0.88
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	14	0.88
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	19	0.88
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	2	0.88
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	2	0.88
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	4	0.88
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	4	0.88
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	4	0.88
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	11	0.88
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	11	0.88
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	11	0.88
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	14	0.88
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	14	0.88
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	14	0.88
(2,3030)	1:143:A:ILE:HD11	1:143:A:ILE:HA	17	0.88
(2,3030)	1:143:A:ILE:HD12	1:143:A:ILE:HA	17	0.88
(2,3030)	1:143:A:ILE:HD13	1:143:A:ILE:HA	17	0.88
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	5	0.88
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	14	0.88
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	18	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	1	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	1	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	1	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	2	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	2	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	2	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	3	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	3	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	3	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	6	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	6	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	6	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	7	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	7	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	7	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	8	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	8	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	8	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	9	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	9	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	9	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	10	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	10	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	10	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	11	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	11	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	11	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	12	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	12	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	12	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	13	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	13	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	13	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	14	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	14	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	14	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	15	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	15	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	15	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	17	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	17	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	17	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	18	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	18	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	18	0.88
(2,2934)	1:90:A:LEU:HD11	1:90:A:LEU:HB2	19	0.88
(2,2934)	1:90:A:LEU:HD12	1:90:A:LEU:HB2	19	0.88
(2,2934)	1:90:A:LEU:HD13	1:90:A:LEU:HB2	19	0.88
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	4	0.88
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	11	0.88
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	17	0.88
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	1	0.88
(2,2876)	1:80:A:LYS:HB2	1:80:A:LYS:HA	15	0.88
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	9	0.88
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	15	0.88
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	8	0.88
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	9	0.88
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	17	0.88
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	17	0.88
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	17	0.88
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	19	0.88
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	19	0.88
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	19	0.88
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	12	0.88
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	16	0.88
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	17	0.88
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	19	0.88
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	8	0.88
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	6	0.88
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	11	0.88
(2,2766)	1:110:A:PRO:HD2	1:110:A:PRO:HB3	19	0.88
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	19	0.88
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	3	0.88
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	8	0.88
(2,2647)	1:105:A:ARG:HG2	1:105:A:ARG:HA	18	0.88
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	3	0.88
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	4	0.88
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	10	0.88
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	12	0.88
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	13	0.88
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	15	0.88
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	20	0.88
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	7	0.88
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	20	0.88
(2,2606)	1:34:A:PRO:HG2	1:34:A:PRO:HD2	18	0.88
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	7	0.88
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	10	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	2	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	3	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	4	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	5	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	6	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	8	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	9	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	12	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	13	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	16	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	18	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	19	0.88
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	20	0.88
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	10	0.88
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	13	0.88
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	19	0.88
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	9	0.88
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	6	0.88
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	10	0.88
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	13	0.88
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	15	0.88
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	11	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	11	0.88
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	11	0.88
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	8	0.88
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	12	0.88
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	9	0.88
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	9	0.88
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	9	0.88
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	11	0.88
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	11	0.88
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	11	0.88
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	19	0.88
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	10	0.88
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	19	0.88
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	1	0.88
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	1	0.88
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	1	0.88
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	8	0.88
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	8	0.88
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	8	0.88
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	6	0.88
(2,2348)	1:131:A:PRO:HB3	1:131:A:PRO:HG3	10	0.88
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	8	0.88
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	9	0.88
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	11	0.88
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	16	0.88
(2,2320)	1:23:A:ARG:HD2	1:24:A:ILE:H	19	0.88
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	2	0.88
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	17	0.88
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	19	0.88
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	2	0.88
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	5	0.88
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	1	0.88
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	15	0.88
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	1	0.88
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	17	0.88
(2,2137)	1:114:A:TYR:HB3	1:114:A:TYR:H	6	0.88
(2,2034)	1:36:A:LEU:HA	1:36:A:LEU:H	10	0.88
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	15	0.88
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	5	0.88
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	12	0.88
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	16	0.88
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	18	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	1	0.88
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	1	0.88
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	1	0.88
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	18	0.88
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	20	0.88
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	4	0.88
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	12	0.88
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	18	0.88
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	3	0.88
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	3	0.88
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	3	0.88
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	10	0.88
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	10	0.88
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	10	0.88
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	15	0.88
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	15	0.88
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	15	0.88
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	16	0.88
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	16	0.88
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	16	0.88
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	19	0.88
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	19	0.88
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	19	0.88
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	20	0.88
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	20	0.88
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	20	0.88
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	18	0.88
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	18	0.88
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	18	0.88
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	20	0.88
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	20	0.88
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	20	0.88
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	3	0.88
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	18	0.88
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	14	0.88
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	1	0.88
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	2	0.88
(2,1636)	1:81:A:THR:HB	1:81:A:THR:HA	17	0.88
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	4	0.88
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	17	0.88
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	20	0.88
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	20	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	20	0.88
(2,1502)	1:52:A:PRO:HA	1:53:A:ASP:H	20	0.88
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	4	0.88
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	12	0.88
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	18	0.88
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	18	0.88
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	18	0.88
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	14	0.88
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	14	0.88
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	14	0.88
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	16	0.88
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	16	0.88
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	16	0.88
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	16	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	2	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	2	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	2	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	2	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	2	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	2	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	2	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	2	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	2	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	3	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	3	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	3	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	3	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	3	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	3	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	3	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	3	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	3	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	4	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	4	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	4	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	4	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	4	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	4	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	4	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	4	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	4	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	6	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	6	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	6	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	6	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	6	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	6	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	6	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	6	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	7	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	7	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	7	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	7	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	7	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	7	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	7	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	7	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	7	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	8	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	8	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	8	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	8	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	8	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	8	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	8	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	8	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	8	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	9	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	9	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	9	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	9	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	9	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	9	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	9	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	9	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	9	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	10	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	10	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	10	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	10	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	10	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	10	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	10	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	10	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	11	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	11	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	11	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	11	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	11	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	11	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	11	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	11	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	11	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	13	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	13	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	13	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	13	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	13	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	13	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	13	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	13	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	13	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	14	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	14	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	14	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	14	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	14	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	14	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	14	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	14	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	14	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	16	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	16	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	16	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	16	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	16	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	16	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	16	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	16	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	16	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	17	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	17	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	17	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	17	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	17	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	17	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	17	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	17	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	17	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	18	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	18	0.88
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	18	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	18	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	18	0.88
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	18	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	18	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	18	0.88
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	18	0.88
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	2	0.88
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	1	0.88
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	5	0.88
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	15	0.88
(2,1288)	1:140:A:LYS:HB3	1:140:A:LYS:HD3	5	0.88
(2,1288)	1:140:A:LYS:HB3	1:140:A:LYS:HD3	10	0.88
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	14	0.88
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	11	0.88
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	11	0.88
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	11	0.88
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	13	0.88
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	8	0.88
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	5	0.88
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	8	0.88
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	9	0.88
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	16	0.88
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	17	0.88
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	19	0.88
(2,1100)	1:41:A:THR:H	1:41:A:THR:HB	9	0.88
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	9	0.88
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	11	0.88
(2,1086)	1:26:A:THR:HB	1:26:A:THR:H	20	0.88
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	13	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	3	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	3	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	3	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	3	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	3	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	3	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	3	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	3	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	5	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	5	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	5	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	5	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	5	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	5	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	5	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	5	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	5	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	6	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	6	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	6	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	6	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	6	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	6	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	6	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	6	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	6	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	9	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	9	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	9	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	9	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	9	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	9	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	9	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	9	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	9	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	10	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	10	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	10	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	10	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	10	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	10	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	10	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	10	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	10	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	16	0.88
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	16	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	16	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	16	0.88
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	16	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	16	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	16	0.88
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	16	0.88
(2,1057)	1:112:A:GLY:HA3	1:112:A:GLY:H	11	0.88
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	3	0.88
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	4	0.88
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	5	0.88
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	8	0.88
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	10	0.88
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	11	0.88
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	12	0.88
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	14	0.88
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	15	0.88
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	17	0.88
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	18	0.88
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	16	0.88
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	10	0.88
(2,946)	1:41:A:THR:HA	1:41:A:THR:H	16	0.88
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	1	0.88
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	7	0.88
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	10	0.88
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	12	0.88
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	15	0.88
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	13	0.88
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	16	0.88
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	20	0.88
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	20	0.88
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	16	0.88
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	4	0.88
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	7	0.88
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	13	0.88
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	13	0.88
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	5	0.88
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	9	0.88
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	5	0.88
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	2	0.88
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	5	0.88
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	12	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	1	0.88
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	2	0.88
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	7	0.88
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	5	0.88
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	12	0.88
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	10	0.88
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	11	0.88
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	12	0.88
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	20	0.88
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	11	0.88
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	4	0.88
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	4	0.88
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	4	0.88
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	1	0.88
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	18	0.88
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	4	0.88
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	14	0.88
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	1	0.88
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	13	0.88
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	13	0.88
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	13	0.88
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	13	0.88
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	10	0.88
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	9	0.88
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	2	0.88
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	4	0.88
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	5	0.88
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	9	0.88
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	13	0.88
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	16	0.88
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	2	0.88
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	6	0.88
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	7	0.88
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	9	0.88
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	10	0.88
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	11	0.88
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	13	0.88
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	19	0.88
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	7	0.88
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	1	0.88
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	5	0.88
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	8	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	9	0.88
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	10	0.88
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	12	0.88
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	14	0.88
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	16	0.88
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	20	0.88
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	12	0.88
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	12	0.88
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	12	0.88
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	12	0.88
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	12	0.88
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	12	0.88
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	12	0.88
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	12	0.88
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	12	0.88
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	20	0.88
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	20	0.88
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	20	0.88
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	20	0.88
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	20	0.88
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	20	0.88
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	20	0.88
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	20	0.88
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	20	0.88
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	13	0.87
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	4	0.87
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	17	0.87
(4,1379)	1:116:A:LEU:HD11	1:117:A:SER:H	6	0.87
(4,1379)	1:116:A:LEU:HD12	1:117:A:SER:H	6	0.87
(4,1379)	1:116:A:LEU:HD13	1:117:A:SER:H	6	0.87
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	2	0.87
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	3	0.87
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	19	0.87
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	19	0.87
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	2	0.87
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	3	0.87
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	20	0.87
(4,1078)	1:136:A:LYS:HG3	1:137:A:ALA:H	1	0.87
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	3	0.87
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	12	0.87
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	16	0.87
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	5	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	5	0.87
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	5	0.87
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	9	0.87
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	9	0.87
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	9	0.87
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	2	0.87
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	13	0.87
(4,992)	1:147:A:ASN:HD21	1:147:A:ASN:HD22	15	0.87
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	1	0.87
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	2	0.87
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	5	0.87
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	14	0.87
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	16	0.87
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	17	0.87
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	4	0.87
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	4	0.87
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	4	0.87
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	1	0.87
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	2	0.87
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	8	0.87
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	2	0.87
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	2	0.87
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	2	0.87
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	6	0.87
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	1	0.87
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	4	0.87
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	9	0.87
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	1	0.87
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	5	0.87
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	8	0.87
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	17	0.87
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	18	0.87
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	19	0.87
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	14	0.87
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	6	0.87
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	6	0.87
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	6	0.87
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	7	0.87
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	7	0.87
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	7	0.87
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	20	0.87
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	20	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	20	0.87
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	6	0.87
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	1	0.87
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	19	0.87
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	4	0.87
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	4	0.87
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	4	0.87
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	18	0.87
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	20	0.87
(4,229)	1:37:A:GLN:H	1:37:A:GLN:HG3	16	0.87
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	19	0.87
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	1	0.87
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	18	0.87
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	17	0.87
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	19	0.87
(4,105)	1:120:A:LYS:HG3	1:121:A:GLN:H	12	0.87
(4,104)	1:153:A:LEU:HG	1:154:A:ALA:H	5	0.87
(4,104)	1:153:A:LEU:HG	1:154:A:ALA:H	13	0.87
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	20	0.87
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	5	0.87
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	5	0.87
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	12	0.87
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	12	0.87
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	16	0.87
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	16	0.87
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	5	0.87
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	5	0.87
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	7	0.87
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	7	0.87
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	11	0.87
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	11	0.87
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	12	0.87
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	12	0.87
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	14	0.87
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	14	0.87
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	8	0.87
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	8	0.87
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	11	0.87
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	11	0.87
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	14	0.87
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	14	0.87
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	18	0.87
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	18	0.87
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	18	0.87
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	18	0.87
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	18	0.87
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	1	0.87
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	1	0.87
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	6	0.87
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	6	0.87
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	6	0.87
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	6	0.87
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	6	0.87
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	6	0.87
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	10	0.87
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	10	0.87
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	10	0.87
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	10	0.87
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	10	0.87
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	10	0.87
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	1	0.87
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	14	0.87
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	20	0.87
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	15	0.87
(2,3095)	1:147:A:ASN:H	1:146:A:HIS:HB3	3	0.87
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	3	0.87
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	6	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	1	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	2	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	4	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	5	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	6	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	7	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	8	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	9	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	10	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	11	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	12	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	13	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	14	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	15	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	16	0.87
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	17	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	20	0.87
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	3	0.87
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	12	0.87
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	14	0.87
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	15	0.87
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	18	0.87
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	20	0.87
(2,3063)	1:10:A:LYS:HA	1:10:A:LYS:HB3	11	0.87
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	4	0.87
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	9	0.87
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	3	0.87
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	7	0.87
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	16	0.87
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	6	0.87
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	9	0.87
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	15	0.87
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	3	0.87
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	9	0.87
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	16	0.87
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	5	0.87
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	16	0.87
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	17	0.87
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	18	0.87
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	16	0.87
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	18	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	1	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	1	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	1	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	2	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	2	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	2	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	3	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	3	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	3	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	4	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	4	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	4	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	5	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	5	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	5	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	6	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	6	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	6	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	7	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	7	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	7	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	8	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	8	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	8	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	9	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	9	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	9	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	10	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	10	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	10	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	11	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	11	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	11	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	12	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	12	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	12	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	13	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	13	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	13	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	14	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	14	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	14	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	15	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	15	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	15	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	16	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	16	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	16	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	18	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	18	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	18	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG21	20	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG22	20	0.87
(2,2816)	1:100:A:ILE:HG13	1:100:A:ILE:HG23	20	0.87
(2,2780)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	5	0.87
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	3	0.87
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	11	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	1	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	2	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	3	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	4	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	5	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	6	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	7	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	8	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	9	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	10	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	11	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	12	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	13	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	14	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	15	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	16	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	17	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	18	0.87
(2,2752)	1:156:A:ILE:HG12	1:156:A:ILE:HB	20	0.87
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	2	0.87
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	11	0.87
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	18	0.87
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	3	0.87
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	5	0.87
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	14	0.87
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	17	0.87
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	18	0.87
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	19	0.87
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	1	0.87
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	2	0.87
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	4	0.87
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	13	0.87
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	15	0.87
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	16	0.87
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	19	0.87
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	1	0.87
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	11	0.87
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	15	0.87
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	17	0.87
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	4	0.87
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	6	0.87
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	7	0.87
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	10	0.87
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	3	0.87
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	5	0.87
(2,2537)	1:152:A:GLU:HA	1:152:A:GLU:HB2	14	0.87
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	16	0.87
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	2	0.87
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	2	0.87
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	2	0.87
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	6	0.87
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	6	0.87
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	6	0.87
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	15	0.87
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	15	0.87
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	15	0.87
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	17	0.87
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	17	0.87
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	17	0.87
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	18	0.87
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	18	0.87
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	5	0.87
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	5	0.87
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	5	0.87
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	4	0.87
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	14	0.87
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	11	0.87
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	9	0.87
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	18	0.87
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	9	0.87
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	18	0.87
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	4	0.87
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	4	0.87
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	4	0.87
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	7	0.87
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	7	0.87
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	7	0.87
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	19	0.87
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	19	0.87
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	19	0.87
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	13	0.87
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	20	0.87
(2,2208)	1:77:A:ARG:HB2	1:77:A:ARG:H	11	0.87
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	11	0.87
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	16	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	2	0.87
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	9	0.87
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	18	0.87
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	8	0.87
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	9	0.87
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	1	0.87
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	3	0.87
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	4	0.87
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	8	0.87
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	10	0.87
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	14	0.87
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	16	0.87
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	18	0.87
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	19	0.87
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	15	0.87
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	2	0.87
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	5	0.87
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	5	0.87
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	5	0.87
(2,1767)	1:145:A:MET:HE1	1:145:A:MET:HG3	6	0.87
(2,1767)	1:145:A:MET:HE2	1:145:A:MET:HG3	6	0.87
(2,1767)	1:145:A:MET:HE3	1:145:A:MET:HG3	6	0.87
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	1	0.87
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	9	0.87
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	16	0.87
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	9	0.87
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	6	0.87
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	10	0.87
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	13	0.87
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	1	0.87
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	8	0.87
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	15	0.87
(2,1466)	1:138:A:VAL:HG21	1:138:A:VAL:H	13	0.87
(2,1466)	1:138:A:VAL:HG22	1:138:A:VAL:H	13	0.87
(2,1466)	1:138:A:VAL:HG23	1:138:A:VAL:H	13	0.87
(2,1449)	1:58:A:PRO:HD3	1:59:A:TYR:H	3	0.87
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	17	0.87
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	17	0.87
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	17	0.87
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	2	0.87
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	7	0.87
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	8	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	9	0.87
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	17	0.87
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	18	0.87
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	10	0.87
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	20	0.87
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	20	0.87
(2,1340)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	20	0.87
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	20	0.87
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	20	0.87
(2,1340)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	20	0.87
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	20	0.87
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	20	0.87
(2,1340)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	20	0.87
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	1	0.87
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	4	0.87
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	10	0.87
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	14	0.87
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	20	0.87
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	4	0.87
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	12	0.87
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	14	0.87
(2,1288)	1:140:A:LYS:HB3	1:140:A:LYS:HD3	14	0.87
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	1	0.87
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	11	0.87
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	15	0.87
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	2	0.87
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	10	0.87
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	5	0.87
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	16	0.87
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	15	0.87
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	15	0.87
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	15	0.87
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	1	0.87
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	1	0.87
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	1	0.87
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	1	0.87
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	1	0.87
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	1	0.87
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	1	0.87
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	1	0.87
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	1	0.87
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	5	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	5	0.87
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	5	0.87
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	5	0.87
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	5	0.87
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	5	0.87
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	5	0.87
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	5	0.87
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	5	0.87
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	12	0.87
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	12	0.87
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	12	0.87
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	12	0.87
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	12	0.87
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	12	0.87
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	12	0.87
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	12	0.87
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	12	0.87
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	19	0.87
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	19	0.87
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	19	0.87
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	19	0.87
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	19	0.87
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	19	0.87
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	19	0.87
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	19	0.87
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	19	0.87
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	7	0.87
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	6	0.87
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	20	0.87
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	4	0.87
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	13	0.87
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	20	0.87
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	9	0.87
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	17	0.87
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	1	0.87
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	1	0.87
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	1	0.87
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	1	0.87
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	1	0.87
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	1	0.87
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	1	0.87
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	1	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	1	0.87
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG21	2	0.87
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG22	2	0.87
(2,1069)	1:47:A:VAL:HG11	1:47:A:VAL:HG23	2	0.87
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG21	2	0.87
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG22	2	0.87
(2,1069)	1:47:A:VAL:HG12	1:47:A:VAL:HG23	2	0.87
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG21	2	0.87
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG22	2	0.87
(2,1069)	1:47:A:VAL:HG13	1:47:A:VAL:HG23	2	0.87
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	6	0.87
(2,999)	1:69:A:THR:HB	1:69:A:THR:H	9	0.87
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	13	0.87
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	13	0.87
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	13	0.87
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	15	0.87
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	15	0.87
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	15	0.87
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	18	0.87
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	18	0.87
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	18	0.87
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	14	0.87
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	3	0.87
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	13	0.87
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	14	0.87
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	2	0.87
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	6	0.87
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	19	0.87
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	13	0.87
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	2	0.87
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	5	0.87
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	13	0.87
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	20	0.87
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	13	0.87
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	3	0.87
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	10	0.87
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	20	0.87
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	7	0.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD11	6	0.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD12	6	0.87
(2,668)	1:116:A:LEU:HB2	1:116:A:LEU:HD13	6	0.87
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	5	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	19	0.87
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	1	0.87
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	18	0.87
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	3	0.87
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	3	0.87
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	3	0.87
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	16	0.87
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	7	0.87
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	13	0.87
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	6	0.87
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	15	0.87
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	18	0.87
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	13	0.87
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	7	0.87
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	7	0.87
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	7	0.87
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	8	0.87
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	8	0.87
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	8	0.87
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	12	0.87
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	12	0.87
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	12	0.87
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	18	0.87
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	18	0.87
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	18	0.87
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	19	0.87
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	19	0.87
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	19	0.87
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	18	0.87
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	19	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	1	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	2	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	3	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	4	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	5	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	6	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	7	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	8	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	9	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	10	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	11	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	13	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	14	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	15	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	16	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	17	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	18	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	19	0.87
(2,220)	1:59:A:TYR:HB2	1:59:A:TYR:HB3	20	0.87
(2,208)	1:11:A:GLN:HA	1:11:A:GLN:HG2	6	0.87
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	12	0.87
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	19	0.87
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	4	0.87
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	9	0.87
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	13	0.87
(2,169)	1:40:A:LEU:HA	1:40:A:LEU:HB3	7	0.87
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	1	0.87
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	3	0.87
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	1	0.87
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	14	0.87
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	18	0.87
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	19	0.87
(2,87)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	14	0.87
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	1	0.87
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	6	0.87
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	11	0.87
(2,41)	1:110:A:PRO:HA	1:111:A:PHE:H	4	0.87
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	2	0.87
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	3	0.87
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	4	0.87
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	6	0.87
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	7	0.87
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	11	0.87
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	13	0.87
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	15	0.87
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	17	0.87
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	18	0.87
(2,7)	1:35:A:SER:HB2	1:35:A:SER:HB3	19	0.87
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	7	0.87
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	7	0.87
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	7	0.87
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	7	0.87
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	7	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	7	0.87
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	16	0.87
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	16	0.87
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	16	0.87
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	16	0.87
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	16	0.87
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	16	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	2	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	2	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	2	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	2	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	2	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	2	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	2	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	2	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	2	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	3	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	3	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	3	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	3	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	3	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	3	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	3	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	3	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	3	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	6	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	6	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	6	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	6	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	6	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	6	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	6	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	6	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	6	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	9	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	9	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	9	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	9	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	9	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	9	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	9	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	9	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	9	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	13	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	13	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	13	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	13	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	13	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	13	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	13	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	13	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	13	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	14	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	14	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	14	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	14	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	14	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	14	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	14	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	14	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	14	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	17	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	17	0.87
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	17	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	17	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	17	0.87
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	17	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	17	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	17	0.87
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	17	0.87
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	20	0.86
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	16	0.86
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	20	0.86
(4,1228)	1:22:A:PHE:HD1	1:22:A:PHE:H	11	0.86
(4,1228)	1:22:A:PHE:HD2	1:22:A:PHE:H	11	0.86
(4,1222)	1:121:A:GLN:HE21	1:121:A:GLN:HB2	10	0.86
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	11	0.86
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	16	0.86
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	16	0.86
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	16	0.86
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	1	0.86
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	5	0.86
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	9	0.86
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	18	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	13	0.86
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	20	0.86
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	7	0.86
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	7	0.86
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	7	0.86
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	18	0.86
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	18	0.86
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	18	0.86
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	12	0.86
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	3	0.86
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	11	0.86
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	11	0.86
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	11	0.86
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	11	0.86
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	3	0.86
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	12	0.86
(4,754)	1:47:A:VAL:HG11	1:47:A:VAL:H	1	0.86
(4,754)	1:47:A:VAL:HG12	1:47:A:VAL:H	1	0.86
(4,754)	1:47:A:VAL:HG13	1:47:A:VAL:H	1	0.86
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	4	0.86
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	12	0.86
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	14	0.86
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	16	0.86
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	20	0.86
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	6	0.86
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	1	0.86
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	1	0.86
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	1	0.86
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	2	0.86
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	9	0.86
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	15	0.86
(4,462)	1:144:A:ARG:HD2	1:145:A:MET:H	4	0.86
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	5	0.86
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	9	0.86
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	12	0.86
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	16	0.86
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	19	0.86
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	8	0.86
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	19	0.86
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	4	0.86
(4,229)	1:37:A:GLN:H	1:37:A:GLN:HG3	10	0.86
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	10	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	16	0.86
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	20	0.86
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	7	0.86
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	13	0.86
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	1	0.86
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	7	0.86
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	10	0.86
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	10	0.86
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	16	0.86
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	18	0.86
(4,105)	1:120:A:LYS:HG3	1:121:A:GLN:H	18	0.86
(4,30)	1:143:A:ILE:HD11	1:143:A:ILE:H	20	0.86
(4,30)	1:143:A:ILE:HD12	1:143:A:ILE:H	20	0.86
(4,30)	1:143:A:ILE:HD13	1:143:A:ILE:H	20	0.86
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	7	0.86
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	7	0.86
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	11	0.86
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	11	0.86
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	14	0.86
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	14	0.86
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	15	0.86
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	15	0.86
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	9	0.86
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	9	0.86
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	16	0.86
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	16	0.86
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	20	0.86
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	20	0.86
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	2	0.86
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	2	0.86
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	4	0.86
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	4	0.86
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	5	0.86
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	5	0.86
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	12	0.86
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	12	0.86
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	20	0.86
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	20	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	1	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	1	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	1	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	2	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	2	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	2	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	2	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	3	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	3	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	3	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	3	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	4	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	4	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	4	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	4	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	5	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	5	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	5	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	5	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	6	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	6	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	6	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	6	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	7	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	7	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	7	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	7	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	8	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	8	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	8	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	8	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	9	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	9	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	9	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	9	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	10	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	10	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	10	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	10	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	11	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	11	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	11	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	11	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	12	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	12	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	12	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	12	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	13	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	13	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	13	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	13	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	14	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	14	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	14	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	14	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	15	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	15	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	15	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	15	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	16	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	16	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	16	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	16	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	17	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	17	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	17	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	17	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	18	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	18	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	18	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	18	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	19	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	19	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	19	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	19	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE1	20	0.86
(3,33)	1:111:A:PHE:HD1	1:111:A:PHE:HE2	20	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE1	20	0.86
(3,33)	1:111:A:PHE:HD2	1:111:A:PHE:HE2	20	0.86
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	6	0.86
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	6	0.86
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	6	0.86
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	6	0.86
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	6	0.86
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	6	0.86
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	14	0.86
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	14	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	14	0.86
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	14	0.86
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	14	0.86
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	14	0.86
(2,3182)	1:74:A:LEU:H	1:73:A:SER:HB3	16	0.86
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	4	0.86
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	14	0.86
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	7	0.86
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	8	0.86
(2,3088)	1:105:A:ARG:HB3	1:105:A:ARG:HA	3	0.86
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	7	0.86
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	19	0.86
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	20	0.86
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	2	0.86
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	15	0.86
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	1	0.86
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	2	0.86
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	6	0.86
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	16	0.86
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	1	0.86
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	7	0.86
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	8	0.86
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	8	0.86
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	11	0.86
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	20	0.86
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	9	0.86
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	9	0.86
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	9	0.86
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	13	0.86
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	13	0.86
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	13	0.86
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	17	0.86
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	17	0.86
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	17	0.86
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	19	0.86
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	19	0.86
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	19	0.86
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	16	0.86
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	2	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	2	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	4	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	6	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	8	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	10	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	11	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	12	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	13	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	15	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	17	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	18	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	19	0.86
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	20	0.86
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	3	0.86
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	13	0.86
(2,2937)	1:25:A:SER:H	1:25:A:SER:HB2	19	0.86
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	7	0.86
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	9	0.86
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	16	0.86
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	17	0.86
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	19	0.86
(2,2633)	1:31:A:GLN:HB2	1:32:A:ALA:H	5	0.86
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	6	0.86
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	9	0.86
(2,2608)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	5	0.86
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	10	0.86
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	20	0.86
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	6	0.86
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	14	0.86
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	3	0.86
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	3	0.86
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	3	0.86
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	7	0.86
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	7	0.86
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	7	0.86
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	8	0.86
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	8	0.86
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	8	0.86
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	10	0.86
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	10	0.86
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	10	0.86
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	19	0.86
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	15	0.86
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	16	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	17	0.86
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	20	0.86
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	16	0.86
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	6	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	2	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	2	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	2	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	12	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	12	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	12	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	13	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	13	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	13	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	17	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	17	0.86
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	17	0.86
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	4	0.86
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	13	0.86
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	18	0.86
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	7	0.86
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	10	0.86
(2,2186)	1:68:A:LYS:HA	1:68:A:LYS:HG2	14	0.86
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	13	0.86
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	12	0.86
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	19	0.86
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	6	0.86
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	6	0.86
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	1	0.86
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	4	0.86
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	14	0.86
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	12	0.86
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	16	0.86
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	19	0.86
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	2	0.86
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	6	0.86
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	17	0.86
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	3	0.86
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	5	0.86
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	7	0.86
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	11	0.86
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	12	0.86
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	13	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	16	0.86
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	17	0.86
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	7	0.86
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	16	0.86
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	18	0.86
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	8	0.86
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	10	0.86
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	12	0.86
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	7	0.86
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	16	0.86
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	19	0.86
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	11	0.86
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	11	0.86
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	11	0.86
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	7	0.86
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	16	0.86
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	4	0.86
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	8	0.86
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	15	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	6	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	6	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	6	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	7	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	7	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	7	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	15	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	15	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	15	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	18	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	18	0.86
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	18	0.86
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	17	0.86
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	20	0.86
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	16	0.86
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	1	0.86
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	10	0.86
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	5	0.86
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	9	0.86
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	11	0.86
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	2	0.86
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	6	0.86
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	13	0.86
(2,1294)	1:80:A:LYS:HD3	1:80:A:LYS:HE3	17	0.86
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	1	0.86
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	19	0.86
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	10	0.86
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	14	0.86
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	20	0.86
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	1	0.86
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	2	0.86
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	2	0.86
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	2	0.86
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	14	0.86
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	14	0.86
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	14	0.86
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	11	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	2	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	2	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	2	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	2	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	2	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	2	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	2	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	2	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	2	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	3	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	3	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	3	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	3	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	3	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	3	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	3	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	3	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	3	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	4	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	4	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	4	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	4	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	4	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	4	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	4	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	4	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	4	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	6	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	6	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	6	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	6	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	6	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	6	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	6	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	6	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	6	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	7	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	7	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	7	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	7	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	7	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	7	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	7	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	7	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	7	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	8	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	8	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	8	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	8	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	8	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	8	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	8	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	8	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	8	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	9	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	9	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	9	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	9	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	9	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	9	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	9	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	9	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	9	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	10	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	10	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	10	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	10	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	10	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	10	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	10	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	10	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	10	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	11	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	11	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	11	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	11	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	11	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	11	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	11	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	11	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	11	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	13	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	13	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	13	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	13	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	13	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	13	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	13	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	13	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	13	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	14	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	14	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	14	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	14	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	14	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	14	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	14	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	14	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	14	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	16	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	16	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	16	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	16	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	16	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	16	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	16	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	16	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	16	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	17	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	17	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	17	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	17	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	17	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	17	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	17	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	17	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	17	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	18	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	18	0.86
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	18	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	18	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	18	0.86
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	18	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	18	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	18	0.86
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	18	0.86
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	13	0.86
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	20	0.86
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	3	0.86
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	18	0.86
(2,1159)	1:131:A:PRO:HB2	1:131:A:PRO:HA	4	0.86
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	19	0.86
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	11	0.86
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	20	0.86
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	13	0.86
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	15	0.86
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	7	0.86
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	7	0.86
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	7	0.86
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	7	0.86
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	12	0.86
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	12	0.86
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	12	0.86
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	19	0.86
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	19	0.86
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	19	0.86
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	8	0.86
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	17	0.86
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	14	0.86
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	19	0.86
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	4	0.86
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	15	0.86
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	16	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	19	0.86
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	11	0.86
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	1	0.86
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	3	0.86
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	4	0.86
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	6	0.86
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	10	0.86
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	11	0.86
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	12	0.86
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	15	0.86
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	17	0.86
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	18	0.86
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	14	0.86
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	3	0.86
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	4	0.86
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	16	0.86
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	4	0.86
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	6	0.86
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	11	0.86
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	20	0.86
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	1	0.86
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	4	0.86
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	9	0.86
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	14	0.86
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	15	0.86
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	17	0.86
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	5	0.86
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	6	0.86
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	18	0.86
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	5	0.86
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	9	0.86
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	12	0.86
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	13	0.86
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	14	0.86
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	19	0.86
(2,605)	1:54:A:PRO:HB3	1:55:A:TYR:H	19	0.86
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	12	0.86
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	14	0.86
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	1	0.86
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	2	0.86
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	7	0.86
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	8	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	9	0.86
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	1	0.86
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	1	0.86
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	1	0.86
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	8	0.86
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	2	0.86
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	10	0.86
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	20	0.86
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	7	0.86
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	7	0.86
(2,351)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	7	0.86
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	16	0.86
(2,278)	1:8:A:GLN:HG3	1:8:A:GLN:HA	7	0.86
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	3	0.86
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	3	0.86
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	3	0.86
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	16	0.86
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	16	0.86
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	16	0.86
(2,164)	1:133:A:SER:HB2	1:133:A:SER:H	8	0.86
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	7	0.86
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	11	0.86
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	12	0.86
(2,115)	1:156:A:ILE:HG13	1:156:A:ILE:HA	20	0.86
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	18	0.86
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	4	0.86
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	4	0.86
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	4	0.86
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	1	0.86
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	3	0.86
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	8	0.86
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	10	0.86
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	16	0.86
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	20	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	5	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	5	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	5	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	5	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	5	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	5	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	5	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	5	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	8	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	8	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	8	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	8	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	8	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	8	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	8	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	8	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	8	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	10	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	10	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	10	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	10	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	10	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	10	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	10	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	10	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	10	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	18	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	18	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	18	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	18	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	18	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	18	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	18	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	18	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	18	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD11	19	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD12	19	0.86
(1,19)	1:48:A:ILE:HD11	1:46:A:ILE:HD13	19	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD11	19	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD12	19	0.86
(1,19)	1:48:A:ILE:HD12	1:46:A:ILE:HD13	19	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD11	19	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD12	19	0.86
(1,19)	1:48:A:ILE:HD13	1:46:A:ILE:HD13	19	0.86
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	4	0.86
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	4	0.86
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	4	0.86
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	4	0.86
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	4	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	4	0.86
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	3	0.85
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	5	0.85
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	18	0.85
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	4	0.85
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	8	0.85
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	12	0.85
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	17	0.85
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	1	0.85
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	3	0.85
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	4	0.85
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	7	0.85
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	8	0.85
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	9	0.85
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	15	0.85
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	17	0.85
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	18	0.85
(4,1222)	1:121:A:GLN:HE21	1:121:A:GLN:HB2	17	0.85
(4,1183)	1:121:A:GLN:HG2	1:121:A:GLN:H	11	0.85
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	14	0.85
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	19	0.85
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	4	0.85
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	13	0.85
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	19	0.85
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	8	0.85
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	8	0.85
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	8	0.85
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	3	0.85
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	3	0.85
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	18	0.85
(4,988)	1:11:A:GLN:HA	1:12:A:GLY:H	20	0.85
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	3	0.85
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	3	0.85
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	3	0.85
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	6	0.85
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	20	0.85
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	11	0.85
(4,671)	1:12:A:GLY:HA2	1:12:A:GLY:H	3	0.85
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	10	0.85
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	19	0.85
(4,537)	1:36:A:LEU:H	1:35:A:SER:H	12	0.85
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	1	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	1	0.85
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	1	0.85
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	16	0.85
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	5	0.85
(4,379)	1:153:A:LEU:HD11	1:153:A:LEU:H	14	0.85
(4,379)	1:153:A:LEU:HD12	1:153:A:LEU:H	14	0.85
(4,379)	1:153:A:LEU:HD13	1:153:A:LEU:H	14	0.85
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	5	0.85
(4,243)	1:3:A:LYS:H	1:2:A:ARG:HG3	11	0.85
(4,243)	1:3:A:LYS:H	1:2:A:ARG:HG3	18	0.85
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	1	0.85
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	6	0.85
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	11	0.85
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	8	0.85
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	16	0.85
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	9	0.85
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	17	0.85
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	17	0.85
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	1	0.85
(4,105)	1:120:A:LYS:HG3	1:121:A:GLN:H	6	0.85
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	11	0.85
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	19	0.85
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	1	0.85
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	1	0.85
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	3	0.85
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	3	0.85
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	6	0.85
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	6	0.85
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	8	0.85
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	8	0.85
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	13	0.85
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	13	0.85
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	2	0.85
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	2	0.85
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	18	0.85
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	18	0.85
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	19	0.85
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	19	0.85
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	15	0.85
(3,17)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	15	0.85
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	15	0.85
(3,17)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	15	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	15	0.85
(3,17)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	15	0.85
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	16	0.85
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	16	0.85
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	1	0.85
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	9	0.85
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	16	0.85
(2,3098)	1:88:A:LYS:HB3	1:88:A:LYS:H	18	0.85
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	2	0.85
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	3	0.85
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	4	0.85
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	5	0.85
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	8	0.85
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	9	0.85
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	11	0.85
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	12	0.85
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	13	0.85
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	16	0.85
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	17	0.85
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	17	0.85
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	17	0.85
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	17	0.85
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	6	0.85
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	10	0.85
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	3	0.85
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	5	0.85
(2,3039)	1:57:A:ILE:HD11	1:57:A:ILE:HB	10	0.85
(2,3039)	1:57:A:ILE:HD12	1:57:A:ILE:HB	10	0.85
(2,3039)	1:57:A:ILE:HD13	1:57:A:ILE:HB	10	0.85
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	8	0.85
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	18	0.85
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	20	0.85
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	1	0.85
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	14	0.85
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	17	0.85
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	9	0.85
(2,2940)	1:46:A:ILE:HG12	1:46:A:ILE:HB	14	0.85
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	18	0.85
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	14	0.85
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	1	0.85
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	2	0.85
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	1	0.85
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	1	0.85
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	6	0.85
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	10	0.85
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	11	0.85
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	11	0.85
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	11	0.85
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	1	0.85
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	5	0.85
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	10	0.85
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	4	0.85
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	4	0.85
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	4	0.85
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	4	0.85
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	4	0.85
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	4	0.85
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	4	0.85
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	4	0.85
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	4	0.85
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	9	0.85
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	9	0.85
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	9	0.85
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	9	0.85
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	9	0.85
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	9	0.85
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	9	0.85
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	9	0.85
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	9	0.85
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	12	0.85
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	12	0.85
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	12	0.85
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	12	0.85
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	12	0.85
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	12	0.85
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	12	0.85
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	12	0.85
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	12	0.85
(2,2589)	1:144:A:ARG:HD2	1:144:A:ARG:HB3	4	0.85
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	7	0.85
(2,2587)	1:68:A:LYS:HG3	1:68:A:LYS:HB2	14	0.85
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	1	0.85
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	13	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	1	0.85
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	1	0.85
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	1	0.85
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	9	0.85
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	9	0.85
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	9	0.85
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	12	0.85
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	12	0.85
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	12	0.85
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	16	0.85
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	16	0.85
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	16	0.85
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	18	0.85
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	18	0.85
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	18	0.85
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	13	0.85
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	14	0.85
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	2	0.85
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	2	0.85
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	2	0.85
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	4	0.85
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	4	0.85
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	4	0.85
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	20	0.85
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	20	0.85
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	20	0.85
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	3	0.85
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	13	0.85
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	3	0.85
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	19	0.85
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	18	0.85
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	8	0.85
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	12	0.85
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	9	0.85
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	9	0.85
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	9	0.85
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	16	0.85
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	16	0.85
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	16	0.85
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	1	0.85
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	20	0.85
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	2	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	15	0.85
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	1	0.85
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	7	0.85
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	12	0.85
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	14	0.85
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	4	0.85
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	16	0.85
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	17	0.85
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	5	0.85
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	5	0.85
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	5	0.85
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	9	0.85
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	7	0.85
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	10	0.85
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	11	0.85
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	18	0.85
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	12	0.85
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	16	0.85
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	3	0.85
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	4	0.85
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	8	0.85
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	10	0.85
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	12	0.85
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	13	0.85
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	16	0.85
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	19	0.85
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	3	0.85
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	4	0.85
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	5	0.85
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	9	0.85
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	11	0.85
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	13	0.85
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	15	0.85
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	18	0.85
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	20	0.85
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	10	0.85
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	14	0.85
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	16	0.85
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	9	0.85
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	8	0.85
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	9	0.85
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	19	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1879)	1:102:A:ASN:HA	1:102:A:ASN:HB2	20	0.85
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	16	0.85
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	12	0.85
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	16	0.85
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	12	0.85
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	9	0.85
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	15	0.85
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	1	0.85
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	5	0.85
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	9	0.85
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	13	0.85
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	20	0.85
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	10	0.85
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	10	0.85
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	10	0.85
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	14	0.85
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	14	0.85
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	14	0.85
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	5	0.85
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	12	0.85
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	14	0.85
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	5	0.85
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	13	0.85
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	19	0.85
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	9	0.85
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	14	0.85
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	17	0.85
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	20	0.85
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	5	0.85
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	1	0.85
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	1	0.85
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	1	0.85
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	5	0.85
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	5	0.85
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	5	0.85
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	19	0.85
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	19	0.85
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	19	0.85
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	16	0.85
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	6	0.85
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	10	0.85
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	15	0.85
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	7	0.85
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	10	0.85
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	18	0.85
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	5	0.85
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	9	0.85
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	13	0.85
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	20	0.85
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	8	0.85
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	16	0.85
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	15	0.85
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	19	0.85
(2,1288)	1:140:A:LYS:HB3	1:140:A:LYS:HD3	6	0.85
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	2	0.85
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	6	0.85
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	14	0.85
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	15	0.85
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	18	0.85
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	18	0.85
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	20	0.85
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	20	0.85
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	20	0.85
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	9	0.85
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD21	20	0.85
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD22	20	0.85
(2,1216)	1:36:A:LEU:HD11	1:36:A:LEU:HD23	20	0.85
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD21	20	0.85
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD22	20	0.85
(2,1216)	1:36:A:LEU:HD12	1:36:A:LEU:HD23	20	0.85
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD21	20	0.85
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD22	20	0.85
(2,1216)	1:36:A:LEU:HD13	1:36:A:LEU:HD23	20	0.85
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	11	0.85
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	9	0.85
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	20	0.85
(2,1077)	1:147:A:ASN:HB3	1:147:A:ASN:HD22	2	0.85
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	12	0.85
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	1	0.85
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	1	0.85
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	1	0.85
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	4	0.85
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	4	0.85
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	3	0.85
(2,972)	1:80:A:LYS:HB2	1:80:A:LYS:HG3	3	0.85
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	6	0.85
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	8	0.85
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	9	0.85
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	11	0.85
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	15	0.85
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	12	0.85
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	14	0.85
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	1	0.85
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	12	0.85
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	13	0.85
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	17	0.85
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	18	0.85
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	20	0.85
(2,874)	1:162:A:ARG:HB3	1:162:A:ARG:H	10	0.85
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	2	0.85
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	8	0.85
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	9	0.85
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	14	0.85
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	16	0.85
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	19	0.85
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	17	0.85
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	7	0.85
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	11	0.85
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	4	0.85
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	12	0.85
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	17	0.85
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	14	0.85
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	9	0.85
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	10	0.85
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	19	0.85
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	6	0.85
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	8	0.85
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	16	0.85
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	4	0.85
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	14	0.85
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	11	0.85
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	2	0.85
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	6	0.85
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	8	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	10	0.85
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	11	0.85
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	15	0.85
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	16	0.85
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	20	0.85
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	18	0.85
(2,601)	1:96:A:GLY:HA3	1:96:A:GLY:H	16	0.85
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	12	0.85
(2,588)	1:97:A:GLU:HB3	1:97:A:GLU:HG2	16	0.85
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	6	0.85
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	9	0.85
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	17	0.85
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	19	0.85
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	6	0.85
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	15	0.85
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	17	0.85
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	17	0.85
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	17	0.85
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	17	0.85
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	9	0.85
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	11	0.85
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	19	0.85
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	1	0.85
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	1	0.85
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	1	0.85
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	5	0.85
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	5	0.85
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	5	0.85
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	6	0.85
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	6	0.85
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	6	0.85
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	12	0.85
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	17	0.85
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	17	0.85
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	20	0.85
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	20	0.85
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	18	0.85
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	13	0.85
(2,62)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	15	0.85
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	18	0.85
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	2	0.85
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	9	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	14	0.85
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	6	0.85
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	6	0.85
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	6	0.85
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	6	0.85
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	6	0.85
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	6	0.85
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	18	0.85
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	18	0.85
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	18	0.85
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	18	0.85
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	18	0.85
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	18	0.85
(4,1393)	1:10:A:LYS:HE3	1:11:A:GLN:H	8	0.84
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	9	0.84
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	8	0.84
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	13	0.84
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	17	0.84
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	20	0.84
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	11	0.84
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	19	0.84
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	5	0.84
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	6	0.84
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	10	0.84
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	11	0.84
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	12	0.84
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	13	0.84
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	14	0.84
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	16	0.84
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	19	0.84
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	3	0.84
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	8	0.84
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	12	0.84
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	13	0.84
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	13	0.84
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	13	0.84
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	13	0.84
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	20	0.84
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	20	0.84
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	20	0.84
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	16	0.84
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	18	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	10	0.84
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	10	0.84
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	10	0.84
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	1	0.84
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	3	0.84
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	4	0.84
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	15	0.84
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	18	0.84
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	18	0.84
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	18	0.84
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	13	0.84
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	16	0.84
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	2	0.84
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	4	0.84
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	9	0.84
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	8	0.84
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	8	0.84
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	10	0.84
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	4	0.84
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	11	0.84
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	3	0.84
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	7	0.84
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	2	0.84
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	6	0.84
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	8	0.84
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	8	0.84
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	3	0.84
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	10	0.84
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	10	0.84
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	10	0.84
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	10	0.84
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD1	4	0.84
(3,68)	1:99:A:TYR:HB2	1:99:A:TYR:HD2	4	0.84
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	4	0.84
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	4	0.84
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	4	0.84
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	4	0.84
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	12	0.84
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	12	0.84
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	12	0.84
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	12	0.84
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	20	0.84
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	20	0.84
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	20	0.84
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	20	0.84
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	20	0.84
(3,38)	1:59:A:TYR:HD1	1:59:A:TYR:HB2	16	0.84
(3,38)	1:59:A:TYR:HD2	1:59:A:TYR:HB2	16	0.84
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	10	0.84
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	10	0.84
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	11	0.84
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	11	0.84
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	3	0.84
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	6	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	2	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	3	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	4	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	5	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	6	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	8	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	10	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	11	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	13	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	14	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	16	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	17	0.84
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	19	0.84
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	2	0.84
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	3	0.84
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	5	0.84
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	10	0.84
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	19	0.84
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	1	0.84
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	6	0.84
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	10	0.84
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	14	0.84
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	15	0.84
(2,3081)	1:131:A:PRO:HD3	1:131:A:PRO:HG2	18	0.84
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	11	0.84
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	10	0.84
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	17	0.84
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	2	0.84
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	2	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	3	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	4	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	5	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	6	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	7	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	8	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	9	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	10	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	11	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	12	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	13	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	16	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	19	0.84
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	20	0.84
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	4	0.84
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	4	0.84
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	14	0.84
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	11	0.84
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	11	0.84
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	11	0.84
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	17	0.84
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	6	0.84
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	8	0.84
(2,2681)	1:50:A:GLY:H	1:49:A:PRO:HB3	14	0.84
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	10	0.84
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	15	0.84
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	1	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	1	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	1	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	1	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	1	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	1	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	1	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	1	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	1	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	1	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	2	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	2	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	2	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	2	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	2	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	2	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	2	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	2	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	3	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	3	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	3	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	3	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	3	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	3	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	3	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	3	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	3	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	5	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	5	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	5	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	5	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	5	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	5	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	5	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	5	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	5	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	6	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	6	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	6	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	6	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	6	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	6	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	6	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	6	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	6	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	7	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	7	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	7	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	7	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	7	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	7	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	7	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	7	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	7	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	8	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	8	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	8	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	8	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	8	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	8	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	8	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	8	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	10	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	10	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	10	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	10	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	10	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	10	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	10	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	10	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	10	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	11	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	11	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	11	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	11	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	11	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	11	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	11	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	11	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	11	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	13	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	13	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	13	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	13	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	13	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	13	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	13	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	13	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	13	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	14	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	14	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	14	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	14	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	14	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	14	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	14	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	14	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	14	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	15	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	15	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	15	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	15	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	15	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	15	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	15	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	15	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	15	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	16	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	16	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	16	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	16	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	16	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	16	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	16	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	16	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	16	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	18	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	18	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	18	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	18	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	18	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	18	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	18	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	18	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	18	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	19	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	19	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	19	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	19	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	19	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	19	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	19	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	19	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	19	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	20	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	20	0.84
(2,2621)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	20	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	20	0.84
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2621)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	20	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	20	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	20	0.84
(2,2621)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	20	0.84
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	13	0.84
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	13	0.84
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	13	0.84
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	6	0.84
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	6	0.84
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	6	0.84
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	8	0.84
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	8	0.84
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	8	0.84
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	12	0.84
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	12	0.84
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	12	0.84
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	19	0.84
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	19	0.84
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	19	0.84
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	8	0.84
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	12	0.84
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	2	0.84
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	11	0.84
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	3	0.84
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	3	0.84
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	3	0.84
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	6	0.84
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	6	0.84
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	6	0.84
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	7	0.84
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	9	0.84
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	16	0.84
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	19	0.84
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	19	0.84
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	19	0.84
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	5	0.84
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	16	0.84
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	16	0.84
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	17	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	3	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	5	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	6	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	7	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	8	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	9	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	10	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	11	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	14	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	15	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	18	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	19	0.84
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	20	0.84
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	8	0.84
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	8	0.84
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	15	0.84
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	15	0.84
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	15	0.84
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	16	0.84
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	16	0.84
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	16	0.84
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	18	0.84
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	18	0.84
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	18	0.84
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	8	0.84
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	16	0.84
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	12	0.84
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	15	0.84
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	1	0.84
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	2	0.84
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	3	0.84
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	9	0.84
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	19	0.84
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	1	0.84
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	5	0.84
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	6	0.84
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	17	0.84
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	18	0.84
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	6	0.84
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	17	0.84
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	20	0.84
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	2	0.84
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	3	0.84
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	5	0.84
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	17	0.84
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	19	0.84
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	20	0.84
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	5	0.84
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	2	0.84
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	11	0.84
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	6	0.84
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	19	0.84
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	10	0.84
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	3	0.84
(2,1717)	1:92:A:GLN:HB3	1:93:A:THR:H	2	0.84
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	1	0.84
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	20	0.84
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	5	0.84
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	12	0.84
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	14	0.84
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	16	0.84
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	17	0.84
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	4	0.84
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	7	0.84
(2,1603)	1:40:A:LEU:H	1:39:A:GLY:HA2	11	0.84
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	7	0.84
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	1	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	3	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	3	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	3	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	4	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	4	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	4	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	8	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	8	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	8	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	11	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	11	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	11	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	13	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	13	0.84
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	13	0.84
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	1	0.84
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	4	0.84
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	7	0.84
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	9	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	13	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	1	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	2	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	3	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	4	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	5	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	6	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	8	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	9	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	11	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	12	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	13	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	14	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	15	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	16	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	17	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	19	0.84
(2,1391)	1:40:A:LEU:HA	1:40:A:LEU:HB2	20	0.84
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	5	0.84
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	20	0.84
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	7	0.84
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	14	0.84
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	4	0.84
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	9	0.84
(2,1288)	1:140:A:LYS:HB3	1:140:A:LYS:HD3	7	0.84
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	5	0.84
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	3	0.84
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	7	0.84
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	9	0.84
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	20	0.84
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	3	0.84
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	5	0.84
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	6	0.84
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	9	0.84
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	11	0.84
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	13	0.84
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	16	0.84
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	17	0.84
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	19	0.84
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	13	0.84
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	9	0.84
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	9	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	9	0.84
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	2	0.84
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	4	0.84
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	11	0.84
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	10	0.84
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	17	0.84
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	16	0.84
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	3	0.84
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	9	0.84
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	9	0.84
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	9	0.84
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	8	0.84
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	18	0.84
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	17	0.84
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	1	0.84
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	2	0.84
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	16	0.84
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	20	0.84
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	19	0.84
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	17	0.84
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	6	0.84
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	10	0.84
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	16	0.84
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	1	0.84
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	9	0.84
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	17	0.84
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	18	0.84
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	2	0.84
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	3	0.84
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	4	0.84
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	5	0.84
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	6	0.84
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	7	0.84
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	8	0.84
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	9	0.84
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	14	0.84
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	15	0.84
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	16	0.84
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	19	0.84
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	5	0.84
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	7	0.84
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	13	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,869)	1:23:A:ARG:HB2	1:23:A:ARG:HA	19	0.84
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	8	0.84
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	4	0.84
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	7	0.84
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	7	0.84
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	11	0.84
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	14	0.84
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	17	0.84
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	3	0.84
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	5	0.84
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	10	0.84
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	16	0.84
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	1	0.84
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	14	0.84
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	15	0.84
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	9	0.84
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	10	0.84
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	15	0.84
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	20	0.84
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	3	0.84
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	4	0.84
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	17	0.84
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	18	0.84
(2,648)	1:80:A:LYS:HE2	1:80:A:LYS:HA	12	0.84
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	11	0.84
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	11	0.84
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	11	0.84
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	11	0.84
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	11	0.84
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	11	0.84
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	11	0.84
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	11	0.84
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	11	0.84
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	12	0.84
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	12	0.84
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	12	0.84
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	12	0.84
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	12	0.84
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	12	0.84
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	12	0.84
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	12	0.84
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	14	0.84
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	14	0.84
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	14	0.84
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	14	0.84
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	14	0.84
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	14	0.84
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	14	0.84
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	14	0.84
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	14	0.84
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	19	0.84
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	19	0.84
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	19	0.84
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	20	0.84
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	11	0.84
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	2	0.84
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	8	0.84
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	9	0.84
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	9	0.84
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	9	0.84
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	13	0.84
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	13	0.84
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	13	0.84
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	19	0.84
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	19	0.84
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	19	0.84
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	18	0.84
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	12	0.84
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	11	0.84
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	1	0.84
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	13	0.84
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	4	0.84
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	4	0.84
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	4	0.84
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE1	16	0.84
(2,229)	1:111:A:PHE:HB3	1:111:A:PHE:HE2	16	0.84
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	14	0.84
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	2	0.84
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	11	0.84
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	11	0.84
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	11	0.84
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	4	0.84
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	5	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	11	0.84
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	12	0.84
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	13	0.84
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	15	0.84
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	17	0.84
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	18	0.84
(2,9)	1:103:A:ARG:HD2	1:103:A:ARG:HG2	19	0.84
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	14	0.84
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	14	0.84
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	14	0.84
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	14	0.84
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	14	0.84
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	14	0.84
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE1	15	0.84
(1,42)	1:156:A:ILE:HG21	1:59:A:TYR:HE2	15	0.84
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE1	15	0.84
(1,42)	1:156:A:ILE:HG22	1:59:A:TYR:HE2	15	0.84
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE1	15	0.84
(1,42)	1:156:A:ILE:HG23	1:59:A:TYR:HE2	15	0.84
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	5	0.83
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	17	0.83
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	1	0.83
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	6	0.83
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	9	0.83
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	11	0.83
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	1	0.83
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	5	0.83
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	15	0.83
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	8	0.83
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	2	0.83
(4,1251)	1:144:A:ARG:HA	1:144:A:ARG:H	20	0.83
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	16	0.83
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	17	0.83
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	17	0.83
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	17	0.83
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	2	0.83
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	11	0.83
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	20	0.83
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	6	0.83
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	12	0.83
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	6	0.83
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	6	0.83
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	12	0.83
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	12	0.83
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	12	0.83
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	12	0.83
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	13	0.83
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	15	0.83
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	5	0.83
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	5	0.83
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	4	0.83
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	11	0.83
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	6	0.83
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	6	0.83
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	6	0.83
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	9	0.83
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	9	0.83
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	9	0.83
(4,449)	1:4:A:LEU:H	1:4:A:LEU:HG	10	0.83
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	1	0.83
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	7	0.83
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	8	0.83
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	18	0.83
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	7	0.83
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	5	0.83
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	8	0.83
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	15	0.83
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	12	0.83
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	20	0.83
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	12	0.83
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	12	0.83
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	12	0.83
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	2	0.83
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	14	0.83
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	3	0.83
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	3	0.83
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	6	0.83
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	6	0.83
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	13	0.83
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	13	0.83
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	10	0.83
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	16	0.83
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	10	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	1	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	1	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	1	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	1	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	2	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	2	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	2	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	2	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	3	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	3	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	3	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	3	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	4	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	4	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	4	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	4	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	5	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	5	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	5	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	5	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	6	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	6	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	6	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	6	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	7	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	7	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	7	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	7	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	8	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	8	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	8	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	8	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	9	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	9	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	9	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	9	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	11	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	11	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	11	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	11	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	12	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	12	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	12	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	12	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	13	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	13	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	13	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	13	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	14	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	14	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	14	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	14	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	15	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	15	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	15	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	15	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	16	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	16	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	16	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	16	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	17	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	17	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	17	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	17	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	18	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	18	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	18	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	18	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	19	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	19	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	19	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	19	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE1	20	0.83
(3,71)	1:99:A:TYR:HD1	1:99:A:TYR:HE2	20	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE1	20	0.83
(3,71)	1:99:A:TYR:HD2	1:99:A:TYR:HE2	20	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	1	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	1	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	1	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	1	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	2	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	2	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	2	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	2	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	3	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	3	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	3	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	3	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	5	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	5	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	5	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	5	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	6	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	6	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	6	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	6	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	7	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	7	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	7	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	7	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	8	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	8	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	8	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	8	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	9	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	9	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	9	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	9	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	10	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	10	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	10	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	10	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	11	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	11	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	11	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	11	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	13	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	13	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	13	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	13	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	14	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	14	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	14	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	14	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	15	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	15	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	15	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	15	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	16	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	16	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	16	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	16	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	17	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	17	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	17	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	17	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	18	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	18	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	18	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	18	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	19	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	19	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	19	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	19	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	20	0.83
(3,49)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	20	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	20	0.83
(3,49)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	20	0.83
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	4	0.83
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	4	0.83
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	7	0.83
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	7	0.83
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	16	0.83
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	16	0.83
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	19	0.83
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	19	0.83
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	2	0.83
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	2	0.83
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	8	0.83
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	12	0.83
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	20	0.83
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	1	0.83
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	3	0.83
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	7	0.83
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	13	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	1	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	2	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	4	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	6	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	7	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	8	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	9	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	11	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	12	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	13	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	14	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	15	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	16	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	17	0.83
(2,3104)	1:51:A:LEU:HB3	1:51:A:LEU:HA	18	0.83
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	16	0.83
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	16	0.83
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	16	0.83
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	9	0.83
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	13	0.83
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	3	0.83
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	10	0.83
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	15	0.83
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	6	0.83
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	12	0.83
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	15	0.83
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	8	0.83
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	10	0.83
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	9	0.83
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	9	0.83
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	9	0.83
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	12	0.83
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	13	0.83
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	1	0.83
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	4	0.83
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	16	0.83
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	6	0.83
(2,2616)	1:7:A:TYR:HB2	1:8:A:GLN:H	11	0.83
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	8	0.83
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	14	0.83
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	15	0.83
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	2	0.83
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	9	0.83
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	17	0.83
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	4	0.83
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	4	0.83
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	4	0.83
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	20	0.83
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	20	0.83
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	20	0.83
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	5	0.83
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	10	0.83
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	10	0.83
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	10	0.83
(2,2433)	1:136:A:LYS:HG2	1:136:A:LYS:HB3	15	0.83
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	11	0.83
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	11	0.83
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	11	0.83
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	19	0.83
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	19	0.83
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	19	0.83
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	20	0.83
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	20	0.83
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	20	0.83
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	1	0.83
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	16	0.83
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	15	0.83
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	15	0.83
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	15	0.83
(2,2346)	1:136:A:LYS:HB3	1:136:A:LYS:HA	5	0.83
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	11	0.83
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	19	0.83
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	20	0.83
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	1	0.83
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	1	0.83
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	1	0.83
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	17	0.83
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	17	0.83
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	17	0.83
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	3	0.83
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	6	0.83
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	10	0.83
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	15	0.83
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	17	0.83
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	3	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	4	0.83
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	19	0.83
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	19	0.83
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	8	0.83
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	15	0.83
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	1	0.83
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	2	0.83
(2,2130)	1:64:A:SER:H	1:64:A:SER:HA	13	0.83
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	2	0.83
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	4	0.83
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	5	0.83
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	6	0.83
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	7	0.83
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	9	0.83
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	11	0.83
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	15	0.83
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	16	0.83
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	17	0.83
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	20	0.83
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	13	0.83
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	1	0.83
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	1	0.83
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	1	0.83
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	7	0.83
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	7	0.83
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	7	0.83
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	8	0.83
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	8	0.83
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	8	0.83
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	9	0.83
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	9	0.83
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	9	0.83
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	10	0.83
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	10	0.83
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	10	0.83
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	14	0.83
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	14	0.83
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	14	0.83
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	17	0.83
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	17	0.83
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	17	0.83
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	19	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	19	0.83
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	19	0.83
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	20	0.83
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	20	0.83
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	20	0.83
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	2	0.83
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	3	0.83
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	4	0.83
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	5	0.83
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	10	0.83
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	11	0.83
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	12	0.83
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	13	0.83
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	17	0.83
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	18	0.83
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	19	0.83
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	20	0.83
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	3	0.83
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	4	0.83
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	5	0.83
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	6	0.83
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	8	0.83
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	15	0.83
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	17	0.83
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	19	0.83
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	7	0.83
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	19	0.83
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	1	0.83
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	2	0.83
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	18	0.83
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	20	0.83
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	7	0.83
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	5	0.83
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	4	0.83
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	11	0.83
(2,1757)	1:46:A:ILE:H	1:46:A:ILE:HG12	1	0.83
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	4	0.83
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	6	0.83
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	11	0.83
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	17	0.83
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	6	0.83
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1683)	1:133:A:SER:HB3	1:133:A:SER:H	19	0.83
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	9	0.83
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	14	0.83
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	16	0.83
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	6	0.83
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	18	0.83
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	14	0.83
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	20	0.83
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	12	0.83
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	13	0.83
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	10	0.83
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	10	0.83
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	10	0.83
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	2	0.83
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	8	0.83
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	12	0.83
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	14	0.83
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG11	1	0.83
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG12	1	0.83
(2,1412)	1:6:A:THR:HA	1:47:A:VAL:HG13	1	0.83
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	1	0.83
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	6	0.83
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	15	0.83
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	6	0.83
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	15	0.83
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	6	0.83
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	7	0.83
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	12	0.83
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	17	0.83
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	19	0.83
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	6	0.83
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	18	0.83
(2,1264)	1:162:A:ARG:HB2	1:162:A:ARG:H	17	0.83
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	8	0.83
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	11	0.83
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	12	0.83
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	2	0.83
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	4	0.83
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	7	0.83
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	8	0.83
(2,1231)	1:167:A:ARG:HD3	1:167:A:ARG:HA	13	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	3	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	5	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	7	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	10	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	11	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	12	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	14	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	15	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	16	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	17	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	18	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	19	0.83
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	20	0.83
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	12	0.83
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	16	0.83
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	19	0.83
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	17	0.83
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	18	0.83
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	7	0.83
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	14	0.83
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	20	0.83
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	20	0.83
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	20	0.83
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	2	0.83
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	2	0.83
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	2	0.83
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	10	0.83
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	10	0.83
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	10	0.83
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	14	0.83
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	14	0.83
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	14	0.83
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	4	0.83
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	14	0.83
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	5	0.83
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	5	0.83
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	7	0.83
(2,958)	1:94:A:PRO:HA	1:94:A:PRO:HD3	12	0.83
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	9	0.83
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	13	0.83
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	1	0.83
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	3	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	4	0.83
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	12	0.83
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	18	0.83
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	6	0.83
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	17	0.83
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	18	0.83
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	11	0.83
(2,880)	1:99:A:TYR:HA	1:99:A:TYR:H	10	0.83
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	1	0.83
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	18	0.83
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	15	0.83
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	16	0.83
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	20	0.83
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	5	0.83
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	3	0.83
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	13	0.83
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	8	0.83
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	4	0.83
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	6	0.83
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	11	0.83
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	1	0.83
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	4	0.83
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	11	0.83
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	15	0.83
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	19	0.83
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	7	0.83
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	18	0.83
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	7	0.83
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	11	0.83
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	13	0.83
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	19	0.83
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	11	0.83
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	19	0.83
(2,661)	1:44:A:GLN:HA	1:45:A:SER:H	1	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	1	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	1	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	1	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	1	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	1	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	1	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	1	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	1	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	2	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	2	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	2	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	2	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	2	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	2	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	2	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	2	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	2	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	3	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	3	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	3	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	3	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	3	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	3	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	3	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	3	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	3	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	4	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	4	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	4	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	4	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	4	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	4	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	4	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	4	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	4	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	5	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	5	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	5	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	5	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	5	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	5	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	5	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	5	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	5	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	6	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	6	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	6	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	6	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	6	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	6	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	6	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	6	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	7	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	7	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	7	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	7	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	7	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	7	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	7	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	7	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	7	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	8	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	8	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	8	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	8	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	8	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	8	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	8	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	8	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	8	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	9	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	9	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	9	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	9	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	9	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	9	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	9	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	9	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	9	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	10	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	10	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	10	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	10	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	10	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	10	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	10	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	10	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	10	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	13	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	13	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	13	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	13	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	13	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	13	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	13	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	13	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	13	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	15	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	15	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	15	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	15	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	15	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	15	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	15	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	15	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	15	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	16	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	16	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	16	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	16	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	16	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	16	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	16	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	16	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	16	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	17	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	17	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	17	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	17	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	17	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	17	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	17	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	17	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	17	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	18	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	18	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	18	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	18	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	18	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	18	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	18	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	18	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	18	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	19	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	19	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	19	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	19	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	19	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	19	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	19	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	19	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	19	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	20	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	20	0.83
(2,611)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	20	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	20	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	20	0.83
(2,611)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	20	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	20	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	20	0.83
(2,611)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	20	0.83
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	5	0.83
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	5	0.83
(2,582)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	5	0.83
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	5	0.83
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	10	0.83
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	11	0.83
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	12	0.83
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	14	0.83
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	15	0.83
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	18	0.83
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	15	0.83
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	14	0.83
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	14	0.83
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	20	0.83
(2,395)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	10	0.83
(2,395)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	10	0.83
(2,395)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	10	0.83
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	12	0.83
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	12	0.83
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	12	0.83
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	3	0.83
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	2	0.83
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	7	0.83
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	10	0.83
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	12	0.83
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	13	0.83
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	17	0.83
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	20	0.83
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	7	0.83
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	7	0.83
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	4	0.83
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	4	0.83
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	9	0.83
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	12	0.83
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	20	0.83
(2,244)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	15	0.83
(2,244)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	15	0.83
(2,244)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	15	0.83
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	5	0.83
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	18	0.83
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	2	0.83
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	6	0.83
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	20	0.83
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	11	0.83
(2,68)	1:153:A:LEU:HD11	1:153:A:LEU:HB2	14	0.83
(2,68)	1:153:A:LEU:HD12	1:153:A:LEU:HB2	14	0.83
(2,68)	1:153:A:LEU:HD13	1:153:A:LEU:HB2	14	0.83
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	9	0.83
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	13	0.83
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	13	0.83
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	13	0.83
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	13	0.83
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	13	0.83
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	13	0.83
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	16	0.82
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	19	0.82
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	13	0.82
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	5	0.82
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	14	0.82
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	18	0.82
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	20	0.82
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	11	0.82
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	11	0.82
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	11	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1078)	1:136:A:LYS:HG3	1:137:A:ALA:H	13	0.82
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	17	0.82
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	17	0.82
(4,1063)	1:80:A:LYS:HD3	1:81:A:THR:H	18	0.82
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	5	0.82
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	14	0.82
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	14	0.82
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	14	0.82
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	7	0.82
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	7	0.82
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	13	0.82
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	13	0.82
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	5	0.82
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	10	0.82
(4,1005)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	6	0.82
(4,932)	1:95:A:THR:H	1:95:A:THR:HG21	5	0.82
(4,932)	1:95:A:THR:H	1:95:A:THR:HG22	5	0.82
(4,932)	1:95:A:THR:H	1:95:A:THR:HG23	5	0.82
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	16	0.82
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	16	0.82
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	16	0.82
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	5	0.82
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	3	0.82
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	6	0.82
(4,462)	1:144:A:ARG:HD2	1:145:A:MET:H	20	0.82
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	7	0.82
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	3	0.82
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	3	0.82
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	3	0.82
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	20	0.82
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	20	0.82
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	20	0.82
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	17	0.82
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	5	0.82
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	11	0.82
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	2	0.82
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	3	0.82
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	5	0.82
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	14	0.82
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	15	0.82
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	9	0.82
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	11	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	12	0.82
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	13	0.82
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	19	0.82
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	20	0.82
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	9	0.82
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	7	0.82
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	7	0.82
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	7	0.82
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	11	0.82
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	11	0.82
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	11	0.82
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	13	0.82
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	13	0.82
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	13	0.82
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	8	0.82
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	15	0.82
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	19	0.82
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	19	0.82
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	11	0.82
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	3	0.82
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	8	0.82
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	17	0.82
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	20	0.82
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	14	0.82
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	14	0.82
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	7	0.82
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	7	0.82
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	8	0.82
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	8	0.82
(3,16)	1:82:A:TYR:HD1	1:82:A:TYR:HB3	18	0.82
(3,16)	1:82:A:TYR:HD2	1:82:A:TYR:HB3	18	0.82
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	7	0.82
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	7	0.82
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	7	0.82
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	7	0.82
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	7	0.82
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	7	0.82
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	4	0.82
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	4	0.82
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	5	0.82
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	5	0.82
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	8	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	8	0.82
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	10	0.82
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	10	0.82
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	12	0.82
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	12	0.82
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	14	0.82
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	14	0.82
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	18	0.82
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	18	0.82
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	20	0.82
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	20	0.82
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	16	0.82
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	16	0.82
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	16	0.82
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	16	0.82
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	7	0.82
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	15	0.82
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	18	0.82
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	11	0.82
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	5	0.82
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	11	0.82
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	18	0.82
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	7	0.82
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	20	0.82
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	2	0.82
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	2	0.82
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	2	0.82
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	19	0.82
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	19	0.82
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	19	0.82
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	19	0.82
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	6	0.82
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	9	0.82
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	15	0.82
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	17	0.82
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	5	0.82
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	14	0.82
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	19	0.82
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	1	0.82
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	3	0.82
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	8	0.82
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	10	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	11	0.82
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	13	0.82
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	14	0.82
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	17	0.82
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	3	0.82
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	5	0.82
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	2	0.82
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	5	0.82
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	12	0.82
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	17	0.82
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	11	0.82
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	1	0.82
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	1	0.82
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	1	0.82
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	17	0.82
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	1	0.82
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	19	0.82
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	20	0.82
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	19	0.82
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	19	0.82
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	19	0.82
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	2	0.82
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	7	0.82
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	18	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	1	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	1	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	1	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	2	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	2	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	2	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	4	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	4	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	4	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	5	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	5	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	5	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	6	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	6	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	6	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	7	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	7	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	9	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	9	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	9	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	10	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	10	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	10	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	12	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	12	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	12	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	13	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	13	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	13	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	14	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	14	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	14	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	15	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	15	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	15	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	16	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	16	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	16	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	17	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	17	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	17	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	18	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	18	0.82
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	18	0.82
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	7	0.82
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	20	0.82
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	20	0.82
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	20	0.82
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	8	0.82
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	8	0.82
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	8	0.82
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	8	0.82
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	14	0.82
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	14	0.82
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	14	0.82
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	1	0.82
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	19	0.82
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	20	0.82
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	11	0.82
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	15	0.82
(2,2202)	1:156:A:ILE:HG12	1:156:A:ILE:HA	20	0.82
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	5	0.82
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	1	0.82
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	3	0.82
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	10	0.82
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	12	0.82
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	13	0.82
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	14	0.82
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	18	0.82
(2,2123)	1:44:A:GLN:HG2	1:44:A:GLN:HG3	19	0.82
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	6	0.82
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	3	0.82
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	2	0.82
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	2	0.82
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	2	0.82
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	3	0.82
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	3	0.82
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	3	0.82
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	4	0.82
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	4	0.82
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	4	0.82
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	6	0.82
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	6	0.82
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	6	0.82
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	11	0.82
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	11	0.82
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	11	0.82
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	12	0.82
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	12	0.82
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	12	0.82
(2,2079)	1:163:A:VAL:HG11	1:163:A:VAL:H	13	0.82
(2,2079)	1:163:A:VAL:HG12	1:163:A:VAL:H	13	0.82
(2,2079)	1:163:A:VAL:HG13	1:163:A:VAL:H	13	0.82
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	1	0.82
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	6	0.82
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	7	0.82
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	14	0.82
(2,2057)	1:158:A:PRO:HB2	1:158:A:PRO:HA	15	0.82
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	12	0.82
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	16	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2040)	1:107:A:PRO:HD2	1:107:A:PRO:HA	20	0.82
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	2	0.82
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	17	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	1	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	2	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	3	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	4	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	5	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	6	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	7	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	8	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	9	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	10	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	11	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	12	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	13	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	14	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	15	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	16	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	17	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	18	0.82
(2,1945)	1:110:A:PRO:HG2	1:110:A:PRO:HG3	20	0.82
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	7	0.82
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	10	0.82
(2,1941)	1:68:A:LYS:HA	1:68:A:LYS:HG2	14	0.82
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	9	0.82
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	9	0.82
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	15	0.82
(2,1770)	1:58:A:PRO:HD3	1:58:A:PRO:HA	5	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	1	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	2	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	3	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	4	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	5	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	6	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	7	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	8	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	9	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	10	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	12	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	13	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	15	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	16	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	17	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	18	0.82
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	19	0.82
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	6	0.82
(2,1741)	1:4:A:LEU:HD21	1:5:A:LEU:H	15	0.82
(2,1741)	1:4:A:LEU:HD22	1:5:A:LEU:H	15	0.82
(2,1741)	1:4:A:LEU:HD23	1:5:A:LEU:H	15	0.82
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	7	0.82
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	11	0.82
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	6	0.82
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	11	0.82
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	1	0.82
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	10	0.82
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	3	0.82
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	10	0.82
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	19	0.82
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	20	0.82
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	18	0.82
(2,1357)	1:37:A:GLN:H	1:37:A:GLN:HG2	16	0.82
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	4	0.82
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	6	0.82
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	12	0.82
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	9	0.82
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	8	0.82
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	1	0.82
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	10	0.82
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	15	0.82
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	18	0.82
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	2	0.82
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	5	0.82
(2,1288)	1:140:A:LYS:HB3	1:140:A:LYS:HD3	16	0.82
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	5	0.82
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	13	0.82
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	16	0.82
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	1	0.82
(2,1235)	1:16:A:ASN:H	1:15:A:LEU:HA	12	0.82
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	6	0.82
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	8	0.82
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	9	0.82
(2,1218)	1:55:A:TYR:HA	1:55:A:TYR:H	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1167)	1:10:A:LYS:HG3	1:10:A:LYS:HB2	5	0.82
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	10	0.82
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	16	0.82
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	16	0.82
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	2	0.82
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	6	0.82
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	15	0.82
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	10	0.82
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	19	0.82
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	6	0.82
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	10	0.82
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	1	0.82
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	2	0.82
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	5	0.82
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	9	0.82
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	17	0.82
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	19	0.82
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	2	0.82
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	4	0.82
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	7	0.82
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	11	0.82
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	15	0.82
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	19	0.82
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	11	0.82
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	13	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	1	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	2	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	3	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	4	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	5	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	6	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	9	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	10	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	12	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	13	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	14	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	17	0.82
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	18	0.82
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	2	0.82
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	1	0.82
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	2	0.82
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	15	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	1	0.82
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	5	0.82
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	12	0.82
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	19	0.82
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	6	0.82
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	12	0.82
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	15	0.82
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	12	0.82
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	18	0.82
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	20	0.82
(2,691)	1:145:A:MET:HE1	1:145:A:MET:HG2	11	0.82
(2,691)	1:145:A:MET:HE2	1:145:A:MET:HG2	11	0.82
(2,691)	1:145:A:MET:HE3	1:145:A:MET:HG2	11	0.82
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	8	0.82
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	13	0.82
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	10	0.82
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	13	0.82
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	16	0.82
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	3	0.82
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	4	0.82
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	14	0.82
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	6	0.82
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	12	0.82
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	18	0.82
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	1	0.82
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	2	0.82
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	11	0.82
(2,470)	1:75:A:ASN:HB2	1:75:A:ASN:HA	15	0.82
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	14	0.82
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	11	0.82
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	11	0.82
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	11	0.82
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	1	0.82
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	3	0.82
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	4	0.82
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	6	0.82
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	8	0.82
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	9	0.82
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	14	0.82
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	15	0.82
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	16	0.82
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	13	0.82
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	8	0.82
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	3	0.82
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	2	0.82
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	8	0.82
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	14	0.82
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	18	0.82
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	2	0.82
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	15	0.82
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	8	0.82
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	19	0.82
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	19	0.82
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	19	0.82
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	18	0.82
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	2	0.82
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	4	0.82
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	6	0.82
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	7	0.82
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	7	0.82
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	7	0.82
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	12	0.82
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	12	0.82
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	12	0.82
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	8	0.82
(1,20)	1:123:A:TYR:HE1	1:122:A:HIS:HB3	2	0.82
(1,20)	1:123:A:TYR:HE2	1:122:A:HIS:HB3	2	0.82
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	5	0.82
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	5	0.82
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	5	0.82
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	5	0.82
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	5	0.82
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	5	0.82
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	16	0.81
(4,1372)	1:26:A:THR:HG21	1:26:A:THR:H	20	0.81
(4,1372)	1:26:A:THR:HG22	1:26:A:THR:H	20	0.81
(4,1372)	1:26:A:THR:HG23	1:26:A:THR:H	20	0.81
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	7	0.81
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	14	0.81
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	15	0.81
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	3	0.81
(4,1324)	1:79:A:MET:H	1:80:A:LYS:H	13	0.81
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	1	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	19	0.81
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	2	0.81
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	6	0.81
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	12	0.81
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	17	0.81
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	16	0.81
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	3	0.81
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	4	0.81
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	10	0.81
(4,1074)	1:100:A:ILE:HG13	1:100:A:ILE:H	14	0.81
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	12	0.81
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	12	0.81
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	11	0.81
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	17	0.81
(4,1005)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	18	0.81
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	17	0.81
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	17	0.81
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	17	0.81
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	2	0.81
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	3	0.81
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	4	0.81
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	5	0.81
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	6	0.81
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	7	0.81
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	8	0.81
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	9	0.81
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	13	0.81
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	19	0.81
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	20	0.81
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	15	0.81
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	15	0.81
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	15	0.81
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	16	0.81
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	16	0.81
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	16	0.81
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	10	0.81
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	2	0.81
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	14	0.81
(4,784)	1:89:A:ILE:HG12	1:90:A:LEU:H	10	0.81
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	12	0.81
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	20	0.81
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	16	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	10	0.81
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	13	0.81
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	16	0.81
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	8	0.81
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	8	0.81
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	8	0.81
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	18	0.81
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	18	0.81
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	18	0.81
(4,453)	1:77:A:ARG:HD2	1:77:A:ARG:H	18	0.81
(4,409)	1:162:A:ARG:HD2	1:163:A:VAL:H	4	0.81
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	20	0.81
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	13	0.81
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	17	0.81
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	14	0.81
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	18	0.81
(4,184)	1:102:A:ASN:HD21	1:102:A:ASN:HB2	16	0.81
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	20	0.81
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	3	0.81
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	5	0.81
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	9	0.81
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	9	0.81
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	18	0.81
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	18	0.81
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	6	0.81
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	2	0.81
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	2	0.81
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	2	0.81
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	4	0.81
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	4	0.81
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	4	0.81
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	10	0.81
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	10	0.81
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	10	0.81
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	12	0.81
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	12	0.81
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	12	0.81
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	15	0.81
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	15	0.81
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	15	0.81
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	16	0.81
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	16	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	16	0.81
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	3	0.81
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	7	0.81
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	13	0.81
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	4	0.81
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	4	0.81
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	3	0.81
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	3	0.81
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	6	0.81
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	6	0.81
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	11	0.81
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	11	0.81
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	1	0.81
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	1	0.81
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	1	0.81
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	1	0.81
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	9	0.81
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	9	0.81
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	9	0.81
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	9	0.81
(2,3173)	1:47:A:VAL:HG21	1:47:A:VAL:H	1	0.81
(2,3173)	1:47:A:VAL:HG22	1:47:A:VAL:H	1	0.81
(2,3173)	1:47:A:VAL:HG23	1:47:A:VAL:H	1	0.81
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	15	0.81
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	8	0.81
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	14	0.81
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	20	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	1	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	2	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	3	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	4	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	5	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	6	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	7	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	8	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	9	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	10	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	13	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	14	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	15	0.81
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	18	0.81
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	1	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	2	0.81
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	14	0.81
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	3	0.81
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	2	0.81
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	2	0.81
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	2	0.81
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	6	0.81
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	6	0.81
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	6	0.81
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	20	0.81
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	20	0.81
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	20	0.81
(2,3062)	1:89:A:ILE:HG13	1:89:A:ILE:HA	11	0.81
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	19	0.81
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	19	0.81
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	19	0.81
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	1	0.81
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	7	0.81
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	13	0.81
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	14	0.81
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	2	0.81
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	6	0.81
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	17	0.81
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	12	0.81
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	12	0.81
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	12	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	1	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	2	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	3	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	4	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	5	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	6	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	7	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	8	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	9	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	10	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	12	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	15	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	18	0.81
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	19	0.81
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	8	0.81
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	6	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	2	0.81
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	9	0.81
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	7	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	1	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	2	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	3	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	5	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	6	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	8	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	9	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	10	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	11	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	12	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	13	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	15	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	17	0.81
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	19	0.81
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	17	0.81
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	3	0.81
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	3	0.81
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	3	0.81
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	1	0.81
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	4	0.81
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	12	0.81
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	14	0.81
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	16	0.81
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	17	0.81
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	13	0.81
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	15	0.81
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	6	0.81
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	18	0.81
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	19	0.81
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	2	0.81
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	3	0.81
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	4	0.81
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	6	0.81
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	8	0.81
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	9	0.81
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	10	0.81
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	14	0.81
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	15	0.81
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	16	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	17	0.81
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	19	0.81
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	20	0.81
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	1	0.81
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	2	0.81
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	8	0.81
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	9	0.81
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	10	0.81
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	11	0.81
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	14	0.81
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	16	0.81
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	18	0.81
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	6	0.81
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	7	0.81
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	8	0.81
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	10	0.81
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	12	0.81
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	19	0.81
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	3	0.81
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	1	0.81
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	10	0.81
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	12	0.81
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD11	8	0.81
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD12	8	0.81
(2,2426)	1:72:A:LEU:HB3	1:72:A:LEU:HD13	8	0.81
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	16	0.81
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	7	0.81
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	20	0.81
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	10	0.81
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	10	0.81
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	10	0.81
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	14	0.81
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	14	0.81
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	14	0.81
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD11	18	0.81
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD12	18	0.81
(2,2372)	1:19:A:ALA:H	1:18:A:ILE:HD13	18	0.81
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	15	0.81
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	19	0.81
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	20	0.81
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	12	0.81
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	3	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	6	0.81
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	10	0.81
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	17	0.81
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	1	0.81
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	1	0.81
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	1	0.81
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	7	0.81
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	7	0.81
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	7	0.81
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	18	0.81
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	18	0.81
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	18	0.81
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	2	0.81
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	8	0.81
(2,2170)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	3	0.81
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	2	0.81
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	4	0.81
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	11	0.81
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	14	0.81
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	20	0.81
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	3	0.81
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	6	0.81
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	7	0.81
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	8	0.81
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	10	0.81
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	16	0.81
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	4	0.81
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	4	0.81
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	4	0.81
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	8	0.81
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	8	0.81
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	8	0.81
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	13	0.81
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	15	0.81
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	20	0.81
(2,1766)	1:51:A:LEU:HA	1:51:A:LEU:H	20	0.81
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	3	0.81
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	2	0.81
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	19	0.81
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	12	0.81
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	13	0.81
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	17	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	11	0.81
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	4	0.81
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	5	0.81
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	6	0.81
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	4	0.81
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	7	0.81
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	19	0.81
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	20	0.81
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	11	0.81
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG21	9	0.81
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG22	9	0.81
(2,1441)	1:164:A:THR:H	1:163:A:VAL:HG23	9	0.81
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	6	0.81
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	11	0.81
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	14	0.81
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	15	0.81
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	17	0.81
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	15	0.81
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	16	0.81
(2,1414)	1:88:A:LYS:HG3	1:88:A:LYS:H	1	0.81
(2,1376)	1:60:A:HIS:H	1:60:A:HIS:HB3	17	0.81
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	3	0.81
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	11	0.81
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	13	0.81
(2,1314)	1:119:A:SER:HA	1:120:A:LYS:H	20	0.81
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	17	0.81
(2,1255)	1:102:A:ASN:HA	1:102:A:ASN:HB3	15	0.81
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	7	0.81
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	7	0.81
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	7	0.81
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	10	0.81
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	9	0.81
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	19	0.81
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	1	0.81
(2,1160)	1:94:A:PRO:HD3	1:95:A:THR:H	14	0.81
(2,1144)	1:158:A:PRO:HB3	1:159:A:ASN:H	10	0.81
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	8	0.81
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	17	0.81
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	8	0.81
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	8	0.81
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	8	0.81
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	8	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	16	0.81
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	16	0.81
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	16	0.81
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	20	0.81
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	3	0.81
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	5	0.81
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	12	0.81
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	13	0.81
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	20	0.81
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	2	0.81
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	3	0.81
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	6	0.81
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	13	0.81
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	15	0.81
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	19	0.81
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	1	0.81
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	2	0.81
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	12	0.81
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	14	0.81
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	15	0.81
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	16	0.81
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	17	0.81
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	18	0.81
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	3	0.81
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	4	0.81
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	5	0.81
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	12	0.81
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	16	0.81
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	18	0.81
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	12	0.81
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	18	0.81
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	14	0.81
(2,929)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	16	0.81
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	8	0.81
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	12	0.81
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	14	0.81
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	3	0.81
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	20	0.81
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	5	0.81
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	6	0.81
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	7	0.81
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	10	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	12	0.81
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	20	0.81
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	7	0.81
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	11	0.81
(2,846)	1:39:A:GLY:HA2	1:39:A:GLY:H	19	0.81
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	19	0.81
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	11	0.81
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	15	0.81
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	6	0.81
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	16	0.81
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	18	0.81
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	7	0.81
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	20	0.81
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	1	0.81
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	18	0.81
(2,671)	1:148:A:LYS:HA	1:148:A:LYS:HB2	8	0.81
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	17	0.81
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	4	0.81
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	3	0.81
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	9	0.81
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	15	0.81
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	4	0.81
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	14	0.81
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	7	0.81
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	7	0.81
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	7	0.81
(2,372)	1:133:A:SER:H	1:133:A:SER:HA	11	0.81
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	5	0.81
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	9	0.81
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	14	0.81
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	5	0.81
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	12	0.81
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	14	0.81
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	16	0.81
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	17	0.81
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	19	0.81
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	3	0.81
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	5	0.81
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	19	0.81
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	6	0.81
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	3	0.81
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	9	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	2	0.81
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	3	0.81
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	4	0.81
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	6	0.81
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	9	0.81
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	10	0.81
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	11	0.81
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	13	0.81
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	14	0.81
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	16	0.81
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	18	0.81
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	20	0.81
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	3	0.81
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	5	0.81
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	17	0.81
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	1	0.81
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	1	0.81
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	1	0.81
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	15	0.81
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	18	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	2	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	4	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	5	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	6	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	7	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	8	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	9	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	10	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	12	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	14	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	15	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	18	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	20	0.8
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	19	0.8
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	4	0.8
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	12	0.8
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	4	0.8
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	15	0.8
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	8	0.8
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	12	0.8
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	16	0.8
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	19	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	11	0.8
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	11	0.8
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	11	0.8
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	7	0.8
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	16	0.8
(4,1005)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	14	0.8
(4,1005)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	17	0.8
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	1	0.8
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	1	0.8
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	1	0.8
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	10	0.8
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	10	0.8
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	10	0.8
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	1	0.8
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	10	0.8
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	11	0.8
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	12	0.8
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	14	0.8
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	15	0.8
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	16	0.8
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	17	0.8
(4,954)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	18	0.8
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	19	0.8
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	19	0.8
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	19	0.8
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	15	0.8
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	19	0.8
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	8	0.8
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	1	0.8
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	8	0.8
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	8	0.8
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	17	0.8
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	11	0.8
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	19	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	1	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	2	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	3	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	4	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	5	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	6	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	7	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	8	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	9	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	10	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	11	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	12	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	13	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	14	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	15	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	17	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	18	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	19	0.8
(4,513)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	20	0.8
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	7	0.8
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	18	0.8
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	17	0.8
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	17	0.8
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	17	0.8
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	19	0.8
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	16	0.8
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	12	0.8
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	7	0.8
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	2	0.8
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	2	0.8
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	2	0.8
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	10	0.8
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	11	0.8
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	7	0.8
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	7	0.8
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	2	0.8
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	14	0.8
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	19	0.8
(4,105)	1:120:A:LYS:HG3	1:121:A:GLN:H	1	0.8
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	13	0.8
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	7	0.8
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	6	0.8
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	1	0.8
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	1	0.8
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	1	0.8
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	5	0.8
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	5	0.8
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	5	0.8
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	6	0.8
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	6	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	6	0.8
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	7	0.8
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	7	0.8
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	7	0.8
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	8	0.8
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	8	0.8
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	8	0.8
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	14	0.8
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	14	0.8
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	14	0.8
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	18	0.8
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	18	0.8
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	18	0.8
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	20	0.8
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	20	0.8
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	20	0.8
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	18	0.8
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	18	0.8
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	6	0.8
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	6	0.8
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	7	0.8
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	7	0.8
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	14	0.8
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	14	0.8
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	1	0.8
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	1	0.8
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	3	0.8
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	3	0.8
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	10	0.8
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	10	0.8
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	13	0.8
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	13	0.8
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	5	0.8
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	5	0.8
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	5	0.8
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	5	0.8
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	5	0.8
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	5	0.8
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	17	0.8
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	17	0.8
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	17	0.8
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	17	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	17	0.8
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	17	0.8
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	14	0.8
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	14	0.8
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	14	0.8
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	14	0.8
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	14	0.8
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	14	0.8
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	7	0.8
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	7	0.8
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	9	0.8
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	9	0.8
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	17	0.8
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	17	0.8
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	19	0.8
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	19	0.8
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	6	0.8
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	6	0.8
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	6	0.8
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	6	0.8
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	8	0.8
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	8	0.8
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	8	0.8
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	8	0.8
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	3	0.8
(2,3177)	1:40:A:LEU:HA	1:41:A:THR:H	9	0.8
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	1	0.8
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	10	0.8
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	20	0.8
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	6	0.8
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	9	0.8
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	10	0.8
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	11	0.8
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	12	0.8
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	16	0.8
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	17	0.8
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	19	0.8
(2,3130)	1:46:A:ILE:H	1:46:A:ILE:HA	20	0.8
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	6	0.8
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	18	0.8
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	13	0.8
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	13	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	13	0.8
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	8	0.8
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	8	0.8
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	8	0.8
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	17	0.8
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	17	0.8
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	17	0.8
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	18	0.8
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	18	0.8
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	18	0.8
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	2	0.8
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	10	0.8
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	16	0.8
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	1	0.8
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	11	0.8
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	13	0.8
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	14	0.8
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	17	0.8
(2,2985)	1:159:A:ASN:HB2	1:159:A:ASN:HA	20	0.8
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	10	0.8
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	18	0.8
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	1	0.8
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	8	0.8
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	13	0.8
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	15	0.8
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	8	0.8
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	5	0.8
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	7	0.8
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	4	0.8
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	7	0.8
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	14	0.8
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	16	0.8
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	18	0.8
(2,2841)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	20	0.8
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	1	0.8
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	3	0.8
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	4	0.8
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	8	0.8
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	9	0.8
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	10	0.8
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	11	0.8
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	15	0.8
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	16	0.8
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	18	0.8
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	19	0.8
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	13	0.8
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	18	0.8
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	19	0.8
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	16	0.8
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	18	0.8
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	20	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	1	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	2	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	3	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	5	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	6	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	8	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	9	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	10	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	12	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	14	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	18	0.8
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	19	0.8
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	9	0.8
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	14	0.8
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	20	0.8
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	11	0.8
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	11	0.8
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	11	0.8
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	12	0.8
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	12	0.8
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	12	0.8
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	1	0.8
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	5	0.8
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	7	0.8
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	11	0.8
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	12	0.8
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	13	0.8
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	3	0.8
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	4	0.8
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	5	0.8
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	7	0.8
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	13	0.8
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	15	0.8
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	17	0.8
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	19	0.8
(2,2629)	1:116:A:LEU:HB2	1:116:A:LEU:HA	20	0.8
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	3	0.8
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	1	0.8
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	2	0.8
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	3	0.8
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	4	0.8
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	5	0.8
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	9	0.8
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	13	0.8
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	15	0.8
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	16	0.8
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	18	0.8
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	17	0.8
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	3	0.8
(2,2501)	1:57:A:ILE:HD11	1:160:A:GLY:HA2	14	0.8
(2,2501)	1:57:A:ILE:HD12	1:160:A:GLY:HA2	14	0.8
(2,2501)	1:57:A:ILE:HD13	1:160:A:GLY:HA2	14	0.8
(2,2478)	1:72:A:LEU:HD11	1:80:A:LYS:H	16	0.8
(2,2478)	1:72:A:LEU:HD12	1:80:A:LYS:H	16	0.8
(2,2478)	1:72:A:LEU:HD13	1:80:A:LYS:H	16	0.8
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	2	0.8
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	15	0.8
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	17	0.8
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	3	0.8
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	5	0.8
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	6	0.8
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	7	0.8
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	8	0.8
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	10	0.8
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	16	0.8
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	17	0.8
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	1	0.8
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	4	0.8
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	5	0.8
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	13	0.8
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	4	0.8
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	4	0.8
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	4	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	9	0.8
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	9	0.8
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	9	0.8
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	19	0.8
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	19	0.8
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	19	0.8
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	7	0.8
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	16	0.8
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	4	0.8
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	12	0.8
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	12	0.8
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	15	0.8
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	7	0.8
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	11	0.8
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	13	0.8
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	20	0.8
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	5	0.8
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	3	0.8
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	5	0.8
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	10	0.8
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	20	0.8
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	20	0.8
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	6	0.8
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	14	0.8
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	2	0.8
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	1	0.8
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	2	0.8
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	3	0.8
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	4	0.8
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	5	0.8
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	9	0.8
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	13	0.8
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	14	0.8
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	15	0.8
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	18	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	1	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	2	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	3	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	6	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	7	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	8	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	10	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	11	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	12	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	14	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	15	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	16	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	18	0.8
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	20	0.8
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	16	0.8
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	16	0.8
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	16	0.8
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	17	0.8
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	17	0.8
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	17	0.8
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	19	0.8
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	4	0.8
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	10	0.8
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	18	0.8
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	12	0.8
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	4	0.8
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	10	0.8
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	11	0.8
(2,1699)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	4	0.8
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	5	0.8
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	19	0.8
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	14	0.8
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	15	0.8
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	2	0.8
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	3	0.8
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	12	0.8
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	13	0.8
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	16	0.8
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	20	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	1	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	2	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	3	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	5	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	8	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	9	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	10	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	11	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	12	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	13	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	15	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	16	0.8
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	17	0.8
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	19	0.8
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	1	0.8
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	7	0.8
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	9	0.8
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	5	0.8
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	10	0.8
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	17	0.8
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	1	0.8
(2,1288)	1:140:A:LYS:HB3	1:140:A:LYS:HD3	19	0.8
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	1	0.8
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	1	0.8
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	1	0.8
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	3	0.8
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	3	0.8
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	3	0.8
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	10	0.8
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	10	0.8
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	10	0.8
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	11	0.8
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	7	0.8
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	15	0.8
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	1	0.8
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	3	0.8
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	5	0.8
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	12	0.8
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	14	0.8
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	15	0.8
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	17	0.8
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	11	0.8
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	10	0.8
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	4	0.8
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	4	0.8
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	4	0.8
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	5	0.8
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	5	0.8
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	5	0.8
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	7	0.8
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	7	0.8
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	7	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	17	0.8
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	17	0.8
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	17	0.8
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	4	0.8
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	7	0.8
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	8	0.8
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	9	0.8
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	18	0.8
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	3	0.8
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	7	0.8
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	8	0.8
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	11	0.8
(2,956)	1:58:A:PRO:HD3	1:58:A:PRO:HG2	20	0.8
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	8	0.8
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	15	0.8
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	19	0.8
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	6	0.8
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	8	0.8
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	10	0.8
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	15	0.8
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	16	0.8
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	1	0.8
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	5	0.8
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	14	0.8
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	14	0.8
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	14	0.8
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	10	0.8
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	2	0.8
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	4	0.8
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	14	0.8
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	15	0.8
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	2	0.8
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	17	0.8
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	1	0.8
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	9	0.8
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	4	0.8
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	8	0.8
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	19	0.8
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	4	0.8
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	17	0.8
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	5	0.8
(2,805)	1:79:A:MET:HG2	1:79:A:MET:HA	17	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	7	0.8
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	8	0.8
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	13	0.8
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	14	0.8
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	2	0.8
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	3	0.8
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	1	0.8
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	2	0.8
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	4	0.8
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	6	0.8
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	7	0.8
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	13	0.8
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	16	0.8
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	19	0.8
(2,648)	1:80:A:LYS:HE2	1:80:A:LYS:HA	17	0.8
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	5	0.8
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	9	0.8
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	14	0.8
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	20	0.8
(2,570)	1:8:A:GLN:HB2	1:8:A:GLN:HG3	13	0.8
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	8	0.8
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	1	0.8
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	13	0.8
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	14	0.8
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	17	0.8
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	20	0.8
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	2	0.8
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	6	0.8
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	17	0.8
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD21	4	0.8
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD22	4	0.8
(2,390)	1:29:A:LEU:HB3	1:29:A:LEU:HD23	4	0.8
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	1	0.8
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	3	0.8
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	4	0.8
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	6	0.8
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	8	0.8
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	15	0.8
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	18	0.8
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	19	0.8
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	20	0.8
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	2	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	5	0.8
(2,310)	1:133:A:SER:HB2	1:133:A:SER:HA	6	0.8
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	3	0.8
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	2	0.8
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	15	0.8
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	17	0.8
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	5	0.8
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	6	0.8
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	8	0.8
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	14	0.8
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	1	0.8
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	5	0.8
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	7	0.8
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	12	0.8
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	15	0.8
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	17	0.8
(2,221)	1:26:A:THR:HA	1:27:A:ALA:H	19	0.8
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	14	0.8
(2,194)	1:31:A:GLN:HA	1:31:A:GLN:HG3	3	0.8
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	3	0.8
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	3	0.8
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	3	0.8
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	18	0.8
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	1	0.8
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	1	0.8
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	1	0.8
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	1	0.8
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	1	0.8
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	1	0.8
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	17	0.8
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	17	0.8
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	17	0.8
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	17	0.8
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	17	0.8
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	17	0.8
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	1	0.79
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	3	0.79
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	11	0.79
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	13	0.79
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	17	0.79
(4,1392)	1:159:A:ASN:HD21	1:159:A:ASN:HD22	19	0.79
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	3	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1327)	1:135:A:GLY:H	1:134:A:ILE:HA	10	0.79
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	2	0.79
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	9	0.79
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	9	0.79
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	9	0.79
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	12	0.79
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	12	0.79
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	12	0.79
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	10	0.79
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	19	0.79
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	5	0.79
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	6	0.79
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	13	0.79
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	18	0.79
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	6	0.79
(4,1063)	1:80:A:LYS:HD3	1:81:A:THR:H	13	0.79
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	1	0.79
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	6	0.79
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	2	0.79
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	2	0.79
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	14	0.79
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	14	0.79
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	9	0.79
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	12	0.79
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	12	0.79
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	12	0.79
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	4	0.79
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	7	0.79
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	7	0.79
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	7	0.79
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	3	0.79
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	8	0.79
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	16	0.79
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	2	0.79
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	3	0.79
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	4	0.79
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	5	0.79
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	6	0.79
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	7	0.79
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	8	0.79
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	9	0.79
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	18	0.79
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	19	0.79
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	20	0.79
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	7	0.79
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	12	0.79
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	5	0.79
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	7	0.79
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	10	0.79
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	10	0.79
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	10	0.79
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	12	0.79
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	12	0.79
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	12	0.79
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	15	0.79
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	15	0.79
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	15	0.79
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	6	0.79
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	18	0.79
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	19	0.79
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	4	0.79
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	4	0.79
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	4	0.79
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	2	0.79
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	6	0.79
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	12	0.79
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	20	0.79
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	10	0.79
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	3	0.79
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	3	0.79
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	3	0.79
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	9	0.79
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	9	0.79
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	9	0.79
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	11	0.79
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	11	0.79
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	11	0.79
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	13	0.79
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	13	0.79
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	13	0.79
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	19	0.79
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	19	0.79
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	4	0.79
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	6	0.79
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	6	0.79
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	9	0.79
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	9	0.79
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	11	0.79
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	11	0.79
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	18	0.79
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	18	0.79
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	6	0.79
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	6	0.79
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	8	0.79
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	8	0.79
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	14	0.79
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	14	0.79
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	18	0.79
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	18	0.79
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	8	0.79
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	8	0.79
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	8	0.79
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	8	0.79
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	8	0.79
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	8	0.79
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	11	0.79
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	11	0.79
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	11	0.79
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	11	0.79
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	11	0.79
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	11	0.79
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	16	0.79
(3,15)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	16	0.79
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	16	0.79
(3,15)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	16	0.79
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	16	0.79
(3,15)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	16	0.79
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	1	0.79
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	1	0.79
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	15	0.79
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	15	0.79
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	2	0.79
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	17	0.79
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	10	0.79
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	20	0.79
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	2	0.79
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	4	0.79
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	7	0.79
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	8	0.79
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	9	0.79
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	16	0.79
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	18	0.79
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	2	0.79
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	4	0.79
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	15	0.79
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	17	0.79
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	20	0.79
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	13	0.79
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	15	0.79
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	10	0.79
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	10	0.79
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	10	0.79
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	15	0.79
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	15	0.79
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	15	0.79
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	5	0.79
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	1	0.79
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	6	0.79
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	7	0.79
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	8	0.79
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	13	0.79
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	14	0.79
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	15	0.79
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	16	0.79
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	17	0.79
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	19	0.79
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	1	0.79
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	1	0.79
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	1	0.79
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	4	0.79
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	4	0.79
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	4	0.79
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	7	0.79
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	7	0.79
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	7	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	12	0.79
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	12	0.79
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	12	0.79
(2,3038)	1:136:A:LYS:HG3	1:136:A:LYS:H	15	0.79
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	16	0.79
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	4	0.79
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	20	0.79
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	20	0.79
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	20	0.79
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	4	0.79
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	5	0.79
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	2	0.79
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	4	0.79
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	6	0.79
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	12	0.79
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	15	0.79
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	16	0.79
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	17	0.79
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	5	0.79
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	9	0.79
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	16	0.79
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	4	0.79
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	10	0.79
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	11	0.79
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	16	0.79
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	16	0.79
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	19	0.79
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	4	0.79
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	7	0.79
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	16	0.79
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	2	0.79
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	5	0.79
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	6	0.79
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	7	0.79
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	14	0.79
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	17	0.79
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	20	0.79
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	1	0.79
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	1	0.79
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	1	0.79
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	8	0.79
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	8	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	8	0.79
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	15	0.79
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	15	0.79
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	15	0.79
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	14	0.79
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	9	0.79
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	15	0.79
(2,2768)	1:89:A:ILE:HG12	1:89:A:ILE:HB	20	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	1	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	2	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	3	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	4	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	5	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	6	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	7	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	8	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	9	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	10	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	11	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	12	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	13	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	14	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	15	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	17	0.79
(2,2728)	1:155:A:SER:H	1:155:A:SER:HA	19	0.79
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	4	0.79
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	7	0.79
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	11	0.79
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	16	0.79
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	17	0.79
(2,2713)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	20	0.79
(2,2673)	1:44:A:GLN:HG2	1:45:A:SER:H	8	0.79
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	1	0.79
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	1	0.79
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	1	0.79
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	4	0.79
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	4	0.79
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	4	0.79
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	14	0.79
(2,2579)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	19	0.79
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	5	0.79
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	12	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	14	0.79
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	2	0.79
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	7	0.79
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	4	0.79
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	5	0.79
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	15	0.79
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	12	0.79
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	2	0.79
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	1	0.79
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	9	0.79
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	19	0.79
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	4	0.79
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	14	0.79
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	2	0.79
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	4	0.79
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	14	0.79
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	18	0.79
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	12	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	3	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	3	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	3	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	10	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	10	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	10	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	13	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	13	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	13	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	15	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	15	0.79
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	15	0.79
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	8	0.79
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	8	0.79
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	8	0.79
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	3	0.79
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	11	0.79
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	9	0.79
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	10	0.79
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	16	0.79
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	17	0.79
(2,2200)	1:153:A:LEU:HG	1:153:A:LEU:H	16	0.79
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	18	0.79
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	1	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	9	0.79
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	16	0.79
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	3	0.79
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	6	0.79
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	17	0.79
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	1	0.79
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	10	0.79
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	13	0.79
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	18	0.79
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	11	0.79
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	6	0.79
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	7	0.79
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	8	0.79
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	15	0.79
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	20	0.79
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	12	0.79
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	4	0.79
(2,1944)	1:97:A:GLU:HB2	1:97:A:GLU:HA	13	0.79
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	12	0.79
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	12	0.79
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	12	0.79
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	16	0.79
(2,1895)	1:36:A:LEU:HA	1:36:A:LEU:HB3	15	0.79
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	1	0.79
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	10	0.79
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	6	0.79
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	7	0.79
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	18	0.79
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE1	11	0.79
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE2	11	0.79
(2,1835)	1:79:A:MET:HB3	1:79:A:MET:HE3	11	0.79
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	1	0.79
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	15	0.79
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	8	0.79
(2,1692)	1:14:A:THR:HB	1:15:A:LEU:H	13	0.79
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	4	0.79
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	20	0.79
(2,1658)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	2	0.79
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	2	0.79
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	1	0.79
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	10	0.79
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	15	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	17	0.79
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	18	0.79
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	19	0.79
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	6	0.79
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	14	0.79
(2,1524)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	18	0.79
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	18	0.79
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	2	0.79
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	4	0.79
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	5	0.79
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	8	0.79
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	10	0.79
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	14	0.79
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	15	0.79
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	18	0.79
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	9	0.79
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	3	0.79
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	4	0.79
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	13	0.79
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	19	0.79
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	3	0.79
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	4	0.79
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	7	0.79
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	12	0.79
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	3	0.79
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	5	0.79
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	13	0.79
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	3	0.79
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	7	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	4	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	4	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	4	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	6	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	6	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	6	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	8	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	8	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	8	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	17	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	17	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	17	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	18	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	18	0.79
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	18	0.79
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	9	0.79
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	2	0.79
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	4	0.79
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	6	0.79
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	10	0.79
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	16	0.79
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	17	0.79
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	18	0.79
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	2	0.79
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	10	0.79
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	1	0.79
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	2	0.79
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	2	0.79
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	2	0.79
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	3	0.79
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	3	0.79
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	3	0.79
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	6	0.79
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	6	0.79
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	6	0.79
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	10	0.79
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	10	0.79
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	10	0.79
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	15	0.79
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	15	0.79
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	15	0.79
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	18	0.79
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	18	0.79
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	18	0.79
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	19	0.79
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	19	0.79
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	19	0.79
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	7	0.79
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	10	0.79
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	19	0.79
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	1	0.79
(2,966)	1:123:A:TYR:HB2	1:124:A:GLY:H	12	0.79
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	20	0.79
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	10	0.79
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	1	0.79
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	2	0.79
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	7	0.79
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	11	0.79
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	13	0.79
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	19	0.79
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	20	0.79
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	9	0.79
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	10	0.79
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	13	0.79
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	16	0.79
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	20	0.79
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	15	0.79
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	8	0.79
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	18	0.79
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	10	0.79
(2,814)	1:75:A:ASN:HB2	1:75:A:ASN:H	10	0.79
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	2	0.79
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	3	0.79
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	5	0.79
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	11	0.79
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	1	0.79
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	3	0.79
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	5	0.79
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	7	0.79
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	2	0.79
(2,676)	1:105:A:ARG:HB2	1:105:A:ARG:HG3	18	0.79
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	3	0.79
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	5	0.79
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	10	0.79
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	12	0.79
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	15	0.79
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	18	0.79
(2,669)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	20	0.79
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE1	12	0.79
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE2	12	0.79
(2,653)	1:79:A:MET:HG3	1:79:A:MET:HE3	12	0.79
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	7	0.79
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	11	0.79
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	17	0.79
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	2	0.79
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	3	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,563)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	18	0.79
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	6	0.79
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	4	0.79
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	5	0.79
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	8	0.79
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	16	0.79
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	1	0.79
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	7	0.79
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	9	0.79
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	10	0.79
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	11	0.79
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	19	0.79
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	20	0.79
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	4	0.79
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	12	0.79
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	13	0.79
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	18	0.79
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	17	0.79
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	2	0.79
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	7	0.79
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	10	0.79
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	11	0.79
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	12	0.79
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	13	0.79
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	16	0.79
(2,329)	1:100:A:ILE:HG13	1:100:A:ILE:HB	17	0.79
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	6	0.79
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	17	0.79
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	11	0.79
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	16	0.79
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	15	0.79
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	1	0.79
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	12	0.79
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	13	0.79
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	13	0.79
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	20	0.79
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	11	0.79
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	6	0.79
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	6	0.79
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	6	0.79
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	10	0.79
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	10	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	10	0.79
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	11	0.79
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	11	0.79
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	11	0.79
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	17	0.79
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	17	0.79
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	17	0.79
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	18	0.79
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	8	0.79
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	8	0.79
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	8	0.79
(4,1322)	1:166:A:ASN:H	1:166:A:ASN:HD21	10	0.78
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	15	0.78
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	18	0.78
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	3	0.78
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	8	0.78
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	7	0.78
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	8	0.78
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	13	0.78
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	19	0.78
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	19	0.78
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	19	0.78
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	15	0.78
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	1	0.78
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	17	0.78
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	10	0.78
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	10	0.78
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	10	0.78
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	13	0.78
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	20	0.78
(4,1005)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	10	0.78
(4,966)	1:2:A:ARG:HG3	1:2:A:ARG:H	4	0.78
(4,966)	1:2:A:ARG:HG3	1:2:A:ARG:H	14	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	7	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	7	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	7	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	14	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	14	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	14	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	15	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	15	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	15	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	16	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	16	0.78
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	16	0.78
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	5	0.78
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	5	0.78
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	5	0.78
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	8	0.78
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	8	0.78
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	8	0.78
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	4	0.78
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	9	0.78
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	15	0.78
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	17	0.78
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	20	0.78
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	1	0.78
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	10	0.78
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	11	0.78
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	12	0.78
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	14	0.78
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	15	0.78
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	16	0.78
(4,778)	1:130:A:ASN:HD21	1:130:A:ASN:HD22	17	0.78
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	10	0.78
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	9	0.78
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	11	0.78
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	14	0.78
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	16	0.78
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	20	0.78
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	2	0.78
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	13	0.78
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	2	0.78
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	20	0.78
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	12	0.78
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	19	0.78
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	14	0.78
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	14	0.78
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	14	0.78
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	15	0.78
(4,229)	1:37:A:GLN:H	1:37:A:GLN:HG3	3	0.78
(4,204)	1:167:A:ARG:H	1:166:A:ASN:HA	9	0.78
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	8	0.78
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	3	0.78
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	3	0.78
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	3	0.78
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	9	0.78
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	9	0.78
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	9	0.78
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	11	0.78
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	9	0.78
(4,28)	1:65:A:ILE:HD11	1:66:A:GLY:H	17	0.78
(4,28)	1:65:A:ILE:HD12	1:66:A:GLY:H	17	0.78
(4,28)	1:65:A:ILE:HD13	1:66:A:GLY:H	17	0.78
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	12	0.78
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	17	0.78
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	17	0.78
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	17	0.78
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	4	0.78
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	4	0.78
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	20	0.78
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	20	0.78
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	2	0.78
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	2	0.78
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	12	0.78
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	12	0.78
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	15	0.78
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	15	0.78
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	17	0.78
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	17	0.78
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	2	0.78
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	2	0.78
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	2	0.78
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	2	0.78
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	2	0.78
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	2	0.78
(3,12)	1:59:A:TYR:HD1	1:59:A:TYR:HB3	13	0.78
(3,12)	1:59:A:TYR:HD2	1:59:A:TYR:HB3	13	0.78
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	13	0.78
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	13	0.78
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	13	0.78
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	13	0.78
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	15	0.78
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	15	0.78
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	15	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	15	0.78
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	14	0.78
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	4	0.78
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	5	0.78
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	6	0.78
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	17	0.78
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	6	0.78
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	6	0.78
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	6	0.78
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	14	0.78
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	9	0.78
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	13	0.78
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	9	0.78
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	9	0.78
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	9	0.78
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	4	0.78
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	4	0.78
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	4	0.78
(2,3074)	1:58:A:PRO:HD2	1:58:A:PRO:HB3	4	0.78
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	2	0.78
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	4	0.78
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	5	0.78
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	9	0.78
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	10	0.78
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	11	0.78
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	12	0.78
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	18	0.78
(2,3072)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	20	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	1	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	3	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	4	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	6	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	7	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	8	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	9	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	11	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	13	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	14	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	15	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	16	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	17	0.78
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	18	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	20	0.78
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	3	0.78
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	3	0.78
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	3	0.78
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	6	0.78
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	12	0.78
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	1	0.78
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	1	0.78
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	1	0.78
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	4	0.78
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	4	0.78
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	4	0.78
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	6	0.78
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	6	0.78
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	6	0.78
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	12	0.78
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	12	0.78
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	12	0.78
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	3	0.78
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	9	0.78
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	14	0.78
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	19	0.78
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	4	0.78
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	10	0.78
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	14	0.78
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	17	0.78
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	18	0.78
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	20	0.78
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	7	0.78
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	13	0.78
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	19	0.78
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	6	0.78
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD11	17	0.78
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD12	17	0.78
(2,2878)	1:152:A:GLU:H	1:151:A:ILE:HD13	17	0.78
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	5	0.78
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	5	0.78
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	9	0.78
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	12	0.78
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	14	0.78
(2,2804)	1:18:A:ILE:HA	1:19:A:ALA:H	13	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	4	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	4	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	4	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	6	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	6	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	6	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	12	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	12	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	12	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	20	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	20	0.78
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	20	0.78
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	6	0.78
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	18	0.78
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	1	0.78
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	15	0.78
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	20	0.78
(2,2632)	1:34:A:PRO:HG3	1:34:A:PRO:HD3	18	0.78
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	19	0.78
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	20	0.78
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	6	0.78
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	20	0.78
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	1	0.78
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	6	0.78
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	8	0.78
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	15	0.78
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	20	0.78
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	7	0.78
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	17	0.78
(2,2479)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	20	0.78
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	11	0.78
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	6	0.78
(2,2451)	1:120:A:LYS:HA	1:120:A:LYS:HD3	18	0.78
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	9	0.78
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	11	0.78
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	12	0.78
(2,2368)	1:47:A:VAL:HA	1:47:A:VAL:HB	13	0.78
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	14	0.78
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	2	0.78
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	2	0.78
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	2	0.78
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	12	0.78
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	12	0.78
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	17	0.78
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	17	0.78
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	17	0.78
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	20	0.78
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	20	0.78
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	20	0.78
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	5	0.78
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	18	0.78
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	9	0.78
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	2	0.78
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	3	0.78
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	4	0.78
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	6	0.78
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	10	0.78
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	11	0.78
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	13	0.78
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	14	0.78
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	17	0.78
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	18	0.78
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	19	0.78
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	20	0.78
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	4	0.78
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	9	0.78
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	16	0.78
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	14	0.78
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	8	0.78
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	15	0.78
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	17	0.78
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	15	0.78
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	16	0.78
(2,2049)	1:104:A:GLN:HG2	1:105:A:ARG:H	17	0.78
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	3	0.78
(2,2025)	1:31:A:GLN:HA	1:31:A:GLN:HG3	3	0.78
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	9	0.78
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	18	0.78
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	6	0.78
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	7	0.78
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	11	0.78
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	16	0.78
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	18	0.78
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	11	0.78
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	19	0.78
(2,1955)	1:52:A:PRO:HA	1:52:A:PRO:HB2	20	0.78
(2,1951)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	12	0.78
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	1	0.78
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	1	0.78
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	1	0.78
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	5	0.78
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	5	0.78
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	5	0.78
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	10	0.78
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	10	0.78
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	10	0.78
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	12	0.78
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	12	0.78
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	12	0.78
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	14	0.78
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	14	0.78
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	14	0.78
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	17	0.78
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	17	0.78
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	17	0.78
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	1	0.78
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	6	0.78
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	11	0.78
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	13	0.78
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	9	0.78
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	1	0.78
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	13	0.78
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	20	0.78
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	12	0.78
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	1	0.78
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	10	0.78
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	20	0.78
(2,1763)	1:88:A:LYS:HG3	1:88:A:LYS:HB2	18	0.78
(2,1726)	1:70:A:LEU:HD21	1:70:A:LEU:HA	11	0.78
(2,1726)	1:70:A:LEU:HD22	1:70:A:LEU:HA	11	0.78
(2,1726)	1:70:A:LEU:HD23	1:70:A:LEU:HA	11	0.78
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	1	0.78
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	3	0.78
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	13	0.78
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	15	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	20	0.78
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	16	0.78
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	19	0.78
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	5	0.78
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	16	0.78
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	7	0.78
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	8	0.78
(2,1529)	1:81:A:THR:H	1:81:A:THR:HB	9	0.78
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	5	0.78
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	16	0.78
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	14	0.78
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	7	0.78
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	2	0.78
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	6	0.78
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	12	0.78
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	13	0.78
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	16	0.78
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	17	0.78
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	19	0.78
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	1	0.78
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	2	0.78
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	8	0.78
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	1	0.78
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	2	0.78
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	5	0.78
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	7	0.78
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	8	0.78
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	9	0.78
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	10	0.78
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	11	0.78
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	14	0.78
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	20	0.78
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	16	0.78
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	18	0.78
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	10	0.78
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	11	0.78
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	3	0.78
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	20	0.78
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	17	0.78
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	9	0.78
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	11	0.78
(2,1288)	1:140:A:LYS:HB3	1:140:A:LYS:HD3	13	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	13	0.78
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	13	0.78
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	13	0.78
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	16	0.78
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	16	0.78
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	16	0.78
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	2	0.78
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	12	0.78
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	1	0.78
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	1	0.78
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	9	0.78
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	12	0.78
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	14	0.78
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	18	0.78
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	11	0.78
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	20	0.78
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	1	0.78
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	1	0.78
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	1	0.78
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	13	0.78
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	13	0.78
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	13	0.78
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	5	0.78
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	10	0.78
(2,976)	1:13:A:ASP:HB2	1:14:A:THR:H	1	0.78
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	9	0.78
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	3	0.78
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	9	0.78
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	14	0.78
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	19	0.78
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	2	0.78
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	2	0.78
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	2	0.78
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	9	0.78
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	9	0.78
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	9	0.78
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	15	0.78
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	15	0.78
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	15	0.78
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	20	0.78
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	20	0.78
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	20	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	13	0.78
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	3	0.78
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	9	0.78
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	16	0.78
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	17	0.78
(2,876)	1:17:A:SER:H	1:16:A:ASN:HA	19	0.78
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	20	0.78
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	12	0.78
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	17	0.78
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	17	0.78
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	10	0.78
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	12	0.78
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	15	0.78
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	18	0.78
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	6	0.78
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	9	0.78
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	2	0.78
(2,648)	1:80:A:LYS:HE2	1:80:A:LYS:HA	2	0.78
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	1	0.78
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	4	0.78
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	12	0.78
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	2	0.78
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	4	0.78
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	11	0.78
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	12	0.78
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	13	0.78
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	16	0.78
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	19	0.78
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	11	0.78
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	19	0.78
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	3	0.78
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	5	0.78
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	8	0.78
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	12	0.78
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	16	0.78
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	18	0.78
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	3	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	1	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	2	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	3	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	5	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	6	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	7	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	8	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	9	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	10	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	11	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	14	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	15	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	16	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	17	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	18	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	19	0.78
(2,482)	1:50:A:GLY:H	1:50:A:GLY:HA3	20	0.78
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	1	0.78
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	7	0.78
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	20	0.78
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	1	0.78
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	9	0.78
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	13	0.78
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	20	0.78
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	6	0.78
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	10	0.78
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	2	0.78
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	9	0.78
(2,225)	1:126:A:HIS:HB3	1:127:A:GLY:H	10	0.78
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	8	0.78
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	8	0.78
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	3	0.78
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	10	0.78
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	5	0.78
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	5	0.78
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	5	0.78
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	7	0.78
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	7	0.78
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	7	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	1	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	1	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	1	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	2	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	2	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	2	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	3	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	3	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	5	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	5	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	5	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	7	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	7	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	7	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	8	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	8	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	8	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	9	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	9	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	9	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	12	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	12	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	12	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	13	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	13	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	13	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	14	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	14	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	14	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	15	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	15	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	15	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	16	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	16	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	16	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	18	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	18	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	18	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	19	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	19	0.78
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	19	0.78
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	12	0.78
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	5	0.78
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	5	0.78
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	5	0.78
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	9	0.78
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	9	0.78
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	9	0.78
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	9	0.78
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	9	0.78
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	7	0.77
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	5	0.77
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	5	0.77
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	5	0.77
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	8	0.77
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	8	0.77
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	8	0.77
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	16	0.77
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	16	0.77
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	16	0.77
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	12	0.77
(4,1194)	1:123:A:TYR:HB2	1:124:A:GLY:H	11	0.77
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	2	0.77
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	9	0.77
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	13	0.77
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	9	0.77
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	5	0.77
(4,1091)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	7	0.77
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	18	0.77
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	15	0.77
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	20	0.77
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	20	0.77
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	20	0.77
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	16	0.77
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	16	0.77
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	19	0.77
(4,1005)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	1	0.77
(4,1005)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	4	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	2	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	2	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	2	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	5	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	5	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	5	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	6	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	6	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	6	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	9	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	9	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	9	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	20	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	20	0.77
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	20	0.77
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	9	0.77
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	17	0.77
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	19	0.77
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	18	0.77
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	18	0.77
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	18	0.77
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	20	0.77
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	7	0.77
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	7	0.77
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	12	0.77
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	15	0.77
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	2	0.77
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	4	0.77
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	10	0.77
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	18	0.77
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	9	0.77
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	19	0.77
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	15	0.77
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	14	0.77
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	13	0.77
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	13	0.77
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	13	0.77
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	7	0.77
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	14	0.77
(4,243)	1:3:A:LYS:H	1:2:A:ARG:HG3	2	0.77
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	5	0.77
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	4	0.77
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	5	0.77
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	5	0.77
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	5	0.77
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	16	0.77
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	16	0.77
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	16	0.77
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	3	0.77
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	5	0.77
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	20	0.77
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	15	0.77
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	3	0.77
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	6	0.77
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	5	0.77
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	2	0.77
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	2	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	1	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	1	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	3	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	3	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	5	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	5	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	8	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	8	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	9	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	9	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	10	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	10	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	11	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	11	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	12	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	12	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	13	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	13	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	15	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	15	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	16	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	16	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	17	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	17	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	19	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	19	0.77
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	20	0.77
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	20	0.77
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	17	0.77
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	17	0.77
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	20	0.77
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	20	0.77
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	9	0.77
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	9	0.77
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	11	0.77
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	11	0.77
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	16	0.77
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	16	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	17	0.77
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	17	0.77
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	20	0.77
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	20	0.77
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	5	0.77
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	5	0.77
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	5	0.77
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	5	0.77
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	20	0.77
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	9	0.77
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	16	0.77
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	17	0.77
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	2	0.77
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	11	0.77
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	17	0.77
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	3	0.77
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	12	0.77
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	13	0.77
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	19	0.77
(2,3131)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	13	0.77
(2,3131)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	13	0.77
(2,3131)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	13	0.77
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	13	0.77
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	3	0.77
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	10	0.77
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	5	0.77
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	10	0.77
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	19	0.77
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	8	0.77
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	10	0.77
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	14	0.77
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	7	0.77
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	11	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	2	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	2	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	2	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	3	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	3	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	3	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	5	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	5	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	5	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	10	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	10	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	10	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	11	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	11	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	11	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	14	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	14	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	14	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	17	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	17	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	17	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	18	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	18	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	18	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	19	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	19	0.77
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	19	0.77
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	10	0.77
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	1	0.77
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	5	0.77
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	2	0.77
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	3	0.77
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	7	0.77
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	11	0.77
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	12	0.77
(2,2928)	1:55:A:TYR:HA	1:55:A:TYR:HB2	19	0.77
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	1	0.77
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	2	0.77
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	3	0.77
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	9	0.77
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	12	0.77
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	14	0.77
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	15	0.77
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	18	0.77
(2,2901)	1:92:A:GLN:HA	1:92:A:GLN:HB3	18	0.77
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	4	0.77
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	13	0.77
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	2	0.77
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	6	0.77
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	8	0.77
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	10	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	11	0.77
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	19	0.77
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	12	0.77
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	7	0.77
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	7	0.77
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	7	0.77
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	13	0.77
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	13	0.77
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	13	0.77
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	2	0.77
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	10	0.77
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	15	0.77
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	20	0.77
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	15	0.77
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	19	0.77
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	20	0.77
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	7	0.77
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	7	0.77
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	7	0.77
(2,2548)	1:52:A:PRO:HA	1:52:A:PRO:HB2	11	0.77
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	14	0.77
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	13	0.77
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	14	0.77
(2,2525)	1:92:A:GLN:HA	1:92:A:GLN:HG2	8	0.77
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	5	0.77
(2,2466)	1:89:A:ILE:H	1:89:A:ILE:HB	6	0.77
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	17	0.77
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	2	0.77
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	18	0.77
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	5	0.77
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	5	0.77
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	5	0.77
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	6	0.77
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	6	0.77
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	6	0.77
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	16	0.77
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	16	0.77
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	16	0.77
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	2	0.77
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	2	0.77
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	2	0.77
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	3	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	3	0.77
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	3	0.77
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	7	0.77
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	7	0.77
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	7	0.77
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	9	0.77
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	14	0.77
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	1	0.77
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	6	0.77
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	8	0.77
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	12	0.77
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	14	0.77
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	17	0.77
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	7	0.77
(2,2169)	1:32:A:ALA:HA	1:32:A:ALA:H	12	0.77
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	7	0.77
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	8	0.77
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	12	0.77
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	17	0.77
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	15	0.77
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	2	0.77
(2,2120)	1:122:A:HIS:HB3	1:122:A:HIS:HA	12	0.77
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	4	0.77
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	7	0.77
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	13	0.77
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	5	0.77
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	6	0.77
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	16	0.77
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	3	0.77
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	4	0.77
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	5	0.77
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	1	0.77
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	10	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	1	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	2	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	3	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	4	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	5	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	8	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	9	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	10	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	12	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	13	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	14	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	15	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	17	0.77
(2,1966)	1:105:A:ARG:HB3	1:105:A:ARG:HA	20	0.77
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	4	0.77
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	4	0.77
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	4	0.77
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	6	0.77
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	6	0.77
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	6	0.77
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	13	0.77
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	13	0.77
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	13	0.77
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	16	0.77
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	16	0.77
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	16	0.77
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	20	0.77
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	20	0.77
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	20	0.77
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	3	0.77
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	9	0.77
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	14	0.77
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	17	0.77
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	8	0.77
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	16	0.77
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	18	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	2	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	3	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	4	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	5	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	6	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	7	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	8	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	9	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	10	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	11	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	12	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	13	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	14	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	15	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	18	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	19	0.77
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	20	0.77
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	6	0.77
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	17	0.77
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	8	0.77
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	10	0.77
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	14	0.77
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	19	0.77
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	20	0.77
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	20	0.77
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	16	0.77
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	16	0.77
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	16	0.77
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	11	0.77
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	6	0.77
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	1	0.77
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	9	0.77
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	13	0.77
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	20	0.77
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	7	0.77
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	2	0.77
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	9	0.77
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	14	0.77
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	15	0.77
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	16	0.77
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	6	0.77
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	4	0.77
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	20	0.77
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	3	0.77
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	6	0.77
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	6	0.77
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	17	0.77
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	6	0.77
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	12	0.77
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	18	0.77
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	13	0.77
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	18	0.77
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	1	0.77
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	5	0.77
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	17	0.77
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	1	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	2	0.77
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	12	0.77
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	16	0.77
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	12	0.77
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	4	0.77
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	6	0.77
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	8	0.77
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	10	0.77
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	12	0.77
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	13	0.77
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	14	0.77
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	17	0.77
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	18	0.77
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	20	0.77
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	5	0.77
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	5	0.77
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	5	0.77
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	12	0.77
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	12	0.77
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	12	0.77
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	14	0.77
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	3	0.77
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	6	0.77
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	14	0.77
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	17	0.77
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	3	0.77
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	4	0.77
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	5	0.77
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	12	0.77
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	16	0.77
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	18	0.77
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	19	0.77
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	2	0.77
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	8	0.77
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	17	0.77
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	17	0.77
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	17	0.77
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	6	0.77
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	13	0.77
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	4	0.77
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	2	0.77
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	11	0.77
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	11	0.77
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	11	0.77
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	12	0.77
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	12	0.77
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	12	0.77
(2,1041)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	14	0.77
(2,1041)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	14	0.77
(2,1041)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	14	0.77
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	9	0.77
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	16	0.77
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	14	0.77
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	17	0.77
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	17	0.77
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	17	0.77
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	16	0.77
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	6	0.77
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	5	0.77
(2,910)	1:37:A:GLN:HA	1:37:A:GLN:HB3	3	0.77
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	11	0.77
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	11	0.77
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	11	0.77
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	2	0.77
(2,861)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	10	0.77
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	15	0.77
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	6	0.77
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	7	0.77
(2,822)	1:10:A:LYS:HG3	1:10:A:LYS:HA	8	0.77
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	13	0.77
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	16	0.77
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	3	0.77
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	2	0.77
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	5	0.77
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	3	0.77
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	12	0.77
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	2	0.77
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	18	0.77
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	19	0.77
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	1	0.77
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	5	0.77
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	8	0.77
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	12	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	15	0.77
(2,586)	1:76:A:ASN:HA	1:76:A:ASN:HB3	20	0.77
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	9	0.77
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	5	0.77
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	20	0.77
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	7	0.77
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	13	0.77
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	15	0.77
(2,534)	1:101:A:ILE:HA	1:101:A:ILE:HG13	20	0.77
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	11	0.77
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	11	0.77
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	11	0.77
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	11	0.77
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	11	0.77
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	11	0.77
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	11	0.77
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	11	0.77
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	11	0.77
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	12	0.77
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	12	0.77
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	12	0.77
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	12	0.77
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	12	0.77
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	12	0.77
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	12	0.77
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	12	0.77
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	12	0.77
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	12	0.77
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	16	0.77
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	12	0.77
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	16	0.77
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	1	0.77
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	4	0.77
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	15	0.77
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	18	0.77
(2,256)	1:6:A:THR:HA	1:48:A:ILE:H	7	0.77
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	4	0.77
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	19	0.77
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	7	0.77
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	9	0.77
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	16	0.77
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	6	0.77
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	6	0.77
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	6	0.77
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	9	0.77
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	9	0.77
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	9	0.77
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	10	0.77
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	10	0.77
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	10	0.77
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	15	0.77
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	15	0.77
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	15	0.77
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	4	0.77
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	4	0.77
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	4	0.77
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG11	20	0.77
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG12	20	0.77
(2,43)	1:150:A:VAL:HA	1:150:A:VAL:HG13	20	0.77
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	18	0.77
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	18	0.77
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	18	0.77
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	18	0.77
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	18	0.77
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	18	0.77
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	20	0.77
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	20	0.77
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	20	0.77
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	20	0.77
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	20	0.77
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	20	0.77
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	19	0.76
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	19	0.76
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	19	0.76
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	3	0.76
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	3	0.76
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	3	0.76
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	3	0.76
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	3	0.76
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	3	0.76
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	10	0.76
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	10	0.76
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	10	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	15	0.76
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	15	0.76
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	15	0.76
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	20	0.76
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	20	0.76
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	20	0.76
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	3	0.76
(4,1137)	1:142:A:CYS:HB2	1:143:A:ILE:H	1	0.76
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	19	0.76
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	2	0.76
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	19	0.76
(4,1005)	1:102:A:ASN:HD21	1:102:A:ASN:HB3	2	0.76
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	11	0.76
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	11	0.76
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	11	0.76
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	5	0.76
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	6	0.76
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	3	0.76
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	3	0.76
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	3	0.76
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	4	0.76
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	4	0.76
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	4	0.76
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	17	0.76
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	17	0.76
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	17	0.76
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	12	0.76
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	14	0.76
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	18	0.76
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	10	0.76
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	19	0.76
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	16	0.76
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	20	0.76
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	7	0.76
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	14	0.76
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	17	0.76
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	1	0.76
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	3	0.76
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	5	0.76
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	6	0.76
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	8	0.76
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	13	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	17	0.76
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	8	0.76
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	19	0.76
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	7	0.76
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	7	0.76
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	7	0.76
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	2	0.76
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	2	0.76
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	10	0.76
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	11	0.76
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	19	0.76
(4,243)	1:3:A:LYS:H	1:2:A:ARG:HG3	3	0.76
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	12	0.76
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	15	0.76
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	15	0.76
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	16	0.76
(4,105)	1:120:A:LYS:HG3	1:121:A:GLN:H	11	0.76
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	1	0.76
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	11	0.76
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	9	0.76
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	5	0.76
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	15	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	1	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	1	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	3	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	3	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	5	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	5	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	8	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	8	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	13	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	13	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	14	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	14	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	19	0.76
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	19	0.76
(3,65)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	2	0.76
(3,65)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	2	0.76
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	5	0.76
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	5	0.76
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD1	19	0.76
(3,53)	1:98:A:PHE:HA	1:98:A:PHE:HD2	19	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	12	0.76
(2,3157)	1:70:A:LEU:HB3	1:71:A:THR:H	14	0.76
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	16	0.76
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	17	0.76
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	20	0.76
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	20	0.76
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	20	0.76
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	20	0.76
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	2	0.76
(2,3071)	1:8:A:GLN:HB2	1:8:A:GLN:HA	12	0.76
(2,3043)	1:117:A:SER:HB2	1:118:A:LEU:H	18	0.76
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	17	0.76
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	2	0.76
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	7	0.76
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	15	0.76
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	7	0.76
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	7	0.76
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	7	0.76
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	8	0.76
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	8	0.76
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	8	0.76
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	9	0.76
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	9	0.76
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	9	0.76
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	16	0.76
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	16	0.76
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	16	0.76
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	13	0.76
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	5	0.76
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	20	0.76
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	8	0.76
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	12	0.76
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	14	0.76
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	18	0.76
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	20	0.76
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	12	0.76
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	17	0.76
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	17	0.76
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	17	0.76
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	18	0.76
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	18	0.76
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	18	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	11	0.76
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	9	0.76
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	11	0.76
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	19	0.76
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	10	0.76
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	5	0.76
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	6	0.76
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	10	0.76
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	17	0.76
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	10	0.76
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	8	0.76
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	8	0.76
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	8	0.76
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	7	0.76
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	5	0.76
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	4	0.76
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	10	0.76
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	18	0.76
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	15	0.76
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD21	14	0.76
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD22	14	0.76
(2,2291)	1:70:A:LEU:HB3	1:70:A:LEU:HD23	14	0.76
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	15	0.76
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	15	0.76
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	15	0.76
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	14	0.76
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	6	0.76
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	2	0.76
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	4	0.76
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	5	0.76
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	10	0.76
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	15	0.76
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	16	0.76
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	19	0.76
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	3	0.76
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	11	0.76
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	19	0.76
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	12	0.76
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	16	0.76
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	2	0.76
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	5	0.76
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	16	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	18	0.76
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	19	0.76
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	4	0.76
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	8	0.76
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	9	0.76
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	14	0.76
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	18	0.76
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	10	0.76
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	11	0.76
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	12	0.76
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	14	0.76
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	15	0.76
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	6	0.76
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	18	0.76
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	17	0.76
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	12	0.76
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	13	0.76
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	15	0.76
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	15	0.76
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	15	0.76
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	2	0.76
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	2	0.76
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	2	0.76
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	3	0.76
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	3	0.76
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	3	0.76
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	7	0.76
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	7	0.76
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	7	0.76
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	11	0.76
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	11	0.76
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	11	0.76
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	15	0.76
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	15	0.76
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	15	0.76
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	18	0.76
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	18	0.76
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	18	0.76
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	19	0.76
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	19	0.76
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	19	0.76
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	6	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	12	0.76
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	19	0.76
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	5	0.76
(2,1847)	1:67:A:ALA:HA	1:67:A:ALA:H	16	0.76
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	1	0.76
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	9	0.76
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	10	0.76
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	11	0.76
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	12	0.76
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	16	0.76
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	18	0.76
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	2	0.76
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	5	0.76
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	11	0.76
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	12	0.76
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	11	0.76
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	14	0.76
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	1	0.76
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	7	0.76
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	18	0.76
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	11	0.76
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	12	0.76
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	16	0.76
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	10	0.76
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	3	0.76
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	5	0.76
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	8	0.76
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	10	0.76
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	17	0.76
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	18	0.76
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	19	0.76
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	20	0.76
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	18	0.76
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	10	0.76
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	20	0.76
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	10	0.76
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	12	0.76
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	14	0.76
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	18	0.76
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	15	0.76
(2,1380)	1:155:A:SER:HA	1:156:A:ILE:H	16	0.76
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	2	0.76
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	9	0.76
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	12	0.76
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	13	0.76
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	7	0.76
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	16	0.76
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	4	0.76
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	8	0.76
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	10	0.76
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	11	0.76
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	14	0.76
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	15	0.76
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	13	0.76
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	1	0.76
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	2	0.76
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	3	0.76
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	5	0.76
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	7	0.76
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	15	0.76
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	16	0.76
(2,1292)	1:14:A:THR:H	1:14:A:THR:HA	19	0.76
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD21	19	0.76
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD22	19	0.76
(2,1229)	1:74:A:LEU:HB2	1:74:A:LEU:HD23	19	0.76
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	3	0.76
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	20	0.76
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	19	0.76
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	8	0.76
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	15	0.76
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	3	0.76
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	4	0.76
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	2	0.76
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	5	0.76
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	12	0.76
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	17	0.76
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	5	0.76
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	7	0.76
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	8	0.76
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	9	0.76
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	11	0.76
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	15	0.76
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	16	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	17	0.76
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	18	0.76
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	19	0.76
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	14	0.76
(2,1016)	1:30:A:LEU:HB3	1:30:A:LEU:HA	8	0.76
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	6	0.76
(2,987)	1:93:A:THR:HG21	1:93:A:THR:H	16	0.76
(2,987)	1:93:A:THR:HG22	1:93:A:THR:H	16	0.76
(2,987)	1:93:A:THR:HG23	1:93:A:THR:H	16	0.76
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	2	0.76
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	14	0.76
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	11	0.76
(2,935)	1:150:A:VAL:HB	1:151:A:ILE:H	4	0.76
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	6	0.76
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	8	0.76
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	6	0.76
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	16	0.76
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	4	0.76
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	7	0.76
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	1	0.76
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	6	0.76
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	14	0.76
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	6	0.76
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	9	0.76
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	13	0.76
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	15	0.76
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	16	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	1	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	2	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	3	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	4	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	5	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	7	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	8	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	9	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	10	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	11	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	12	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	13	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	14	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	15	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	16	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	18	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	19	0.76
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	20	0.76
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	13	0.76
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	16	0.76
(2,684)	1:148:A:LYS:HA	1:148:A:LYS:HB3	17	0.76
(2,648)	1:80:A:LYS:HE2	1:80:A:LYS:HA	9	0.76
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	2	0.76
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	4	0.76
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	14	0.76
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	9	0.76
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	15	0.76
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	18	0.76
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	7	0.76
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	7	0.76
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	7	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	1	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	1	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	1	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	1	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	1	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	1	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	1	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	1	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	1	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	3	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	3	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	3	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	3	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	3	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	3	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	3	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	3	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	3	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	4	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	4	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	4	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	4	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	4	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	4	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	4	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	4	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	4	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	5	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	5	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	5	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	5	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	5	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	5	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	5	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	5	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	5	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	6	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	6	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	6	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	6	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	6	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	6	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	6	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	6	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	6	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	7	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	7	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	7	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	7	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	7	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	7	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	7	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	7	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	7	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	8	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	8	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	8	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	8	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	8	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	8	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	8	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	8	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	8	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	9	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	9	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	9	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	9	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	9	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	9	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	9	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	9	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	10	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	10	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	10	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	10	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	10	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	10	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	10	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	10	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	10	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	13	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	13	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	13	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	13	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	13	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	13	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	13	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	13	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	13	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	14	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	14	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	14	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	14	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	14	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	14	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	14	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	14	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	14	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	15	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	15	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	15	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	15	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	15	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	15	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	15	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	15	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	15	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	16	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	16	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	16	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	16	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	16	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	16	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	16	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	16	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	16	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	17	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	17	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	17	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	17	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	17	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	17	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	17	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	17	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	17	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	18	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	18	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	18	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	18	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	18	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	18	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	18	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	18	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	18	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	19	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	19	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	19	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	19	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	19	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	19	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	19	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	19	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	19	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	20	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	20	0.76
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	20	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	20	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	20	0.76
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	20	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	20	0.76
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	20	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	20	0.76
(2,463)	1:152:A:GLU:HG3	1:152:A:GLU:HA	15	0.76
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	1	0.76
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	1	0.76
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	1	0.76
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	15	0.76
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	15	0.76
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	15	0.76
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	4	0.76
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	8	0.76
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	19	0.76
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	11	0.76
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	4	0.76
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	4	0.76
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	4	0.76
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	2	0.76
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	13	0.76
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	16	0.76
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	19	0.76
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	6	0.76
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	2	0.76
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	2	0.76
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	2	0.76
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	14	0.76
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	5	0.76
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	7	0.76
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	7	0.76
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	7	0.76
(4,1492)	1:2:A:ARG:HB3	1:3:A:LYS:H	8	0.75
(4,1486)	1:140:A:LYS:HD2	1:141:A:GLY:H	1	0.75
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	7	0.75
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	18	0.75
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	2	0.75
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	2	0.75
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	2	0.75
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	18	0.75
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	18	0.75
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	18	0.75
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	3	0.75
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	18	0.75
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	18	0.75
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	18	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	3	0.75
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	1	0.75
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	1	0.75
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	1	0.75
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	6	0.75
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	6	0.75
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	6	0.75
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	10	0.75
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	18	0.75
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	14	0.75
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	11	0.75
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	11	0.75
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	11	0.75
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	6	0.75
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	12	0.75
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	11	0.75
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	12	0.75
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	9	0.75
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	9	0.75
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	13	0.75
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	13	0.75
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	13	0.75
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	19	0.75
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	19	0.75
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	19	0.75
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	6	0.75
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	12	0.75
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	14	0.75
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	20	0.75
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	19	0.75
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	1	0.75
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	1	0.75
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	1	0.75
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	9	0.75
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	9	0.75
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	9	0.75
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	10	0.75
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	10	0.75
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	10	0.75
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	13	0.75
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	13	0.75
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	13	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	20	0.75
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	16	0.75
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	6	0.75
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	19	0.75
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	7	0.75
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	14	0.75
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	11	0.75
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	14	0.75
(4,633)	1:121:A:GLN:HG3	1:122:A:HIS:H	11	0.75
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	11	0.75
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	4	0.75
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	16	0.75
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	4	0.75
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	1	0.75
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	9	0.75
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	2	0.75
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	18	0.75
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	11	0.75
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	11	0.75
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	11	0.75
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	8	0.75
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	8	0.75
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	8	0.75
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	10	0.75
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	10	0.75
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	10	0.75
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	1	0.75
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	2	0.75
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	10	0.75
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	13	0.75
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	7	0.75
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	10	0.75
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	7	0.75
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	4	0.75
(4,43)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	1	0.75
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	1	0.75
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	19	0.75
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	19	0.75
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	4	0.75
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	4	0.75
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	12	0.75
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	20	0.75
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	20	0.75
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	1	0.75
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	1	0.75
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	16	0.75
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	16	0.75
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	4	0.75
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	4	0.75
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	7	0.75
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	7	0.75
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	12	0.75
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	12	0.75
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	15	0.75
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	15	0.75
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	16	0.75
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	16	0.75
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	6	0.75
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	6	0.75
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	9	0.75
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	9	0.75
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	15	0.75
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	15	0.75
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	15	0.75
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	2	0.75
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	4	0.75
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	5	0.75
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	9	0.75
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	10	0.75
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	11	0.75
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	12	0.75
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	13	0.75
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	14	0.75
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	15	0.75
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	19	0.75
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	8	0.75
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	8	0.75
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	8	0.75
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	16	0.75
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	16	0.75
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	16	0.75
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	14	0.75
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	14	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	14	0.75
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	5	0.75
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	11	0.75
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	12	0.75
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	17	0.75
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	19	0.75
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	13	0.75
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	13	0.75
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	13	0.75
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD21	20	0.75
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD22	20	0.75
(2,2996)	1:36:A:LEU:HB2	1:36:A:LEU:HD23	20	0.75
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	20	0.75
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	6	0.75
(2,2927)	1:104:A:GLN:HB2	1:104:A:GLN:HG3	17	0.75
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	2	0.75
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	13	0.75
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	1	0.75
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	3	0.75
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	13	0.75
(2,2835)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	15	0.75
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	3	0.75
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	17	0.75
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	10	0.75
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	10	0.75
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	10	0.75
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	19	0.75
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	19	0.75
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	19	0.75
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	12	0.75
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	2	0.75
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	3	0.75
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	7	0.75
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	8	0.75
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	16	0.75
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	18	0.75
(2,2711)	1:159:A:ASN:HB2	1:159:A:ASN:H	16	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	2	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	4	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	5	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	6	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	7	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	8	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	9	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	11	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	12	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	16	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	17	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	18	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	19	0.75
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	20	0.75
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	14	0.75
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	10	0.75
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	11	0.75
(2,2540)	1:80:A:LYS:HG2	1:80:A:LYS:HA	14	0.75
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	13	0.75
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	20	0.75
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	2	0.75
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	12	0.75
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	19	0.75
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	13	0.75
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	1	0.75
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	2	0.75
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	2	0.75
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	16	0.75
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	9	0.75
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	14	0.75
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	10	0.75
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	10	0.75
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	10	0.75
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	13	0.75
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	13	0.75
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	13	0.75
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	18	0.75
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	18	0.75
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	18	0.75
(2,2175)	1:42:A:ALA:H	1:41:A:THR:HA	3	0.75
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	18	0.75
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	6	0.75
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	9	0.75
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	12	0.75
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	17	0.75
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	1	0.75
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	3	0.75
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	7	0.75
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	11	0.75
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	15	0.75
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	17	0.75
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	19	0.75
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	20	0.75
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	6	0.75
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	18	0.75
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	20	0.75
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	13	0.75
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	2	0.75
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	16	0.75
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	5	0.75
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	5	0.75
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	5	0.75
(2,1943)	1:116:A:LEU:HD11	1:103:A:ARG:HB3	19	0.75
(2,1943)	1:116:A:LEU:HD12	1:103:A:ARG:HB3	19	0.75
(2,1943)	1:116:A:LEU:HD13	1:103:A:ARG:HB3	19	0.75
(2,1934)	1:41:A:THR:HG21	1:41:A:THR:H	9	0.75
(2,1934)	1:41:A:THR:HG22	1:41:A:THR:H	9	0.75
(2,1934)	1:41:A:THR:HG23	1:41:A:THR:H	9	0.75
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	16	0.75
(2,1903)	1:31:A:GLN:HB2	1:31:A:GLN:H	2	0.75
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	8	0.75
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	14	0.75
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	15	0.75
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	4	0.75
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	7	0.75
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	8	0.75
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	14	0.75
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	16	0.75
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	19	0.75
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	8	0.75
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	7	0.75
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	2	0.75
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	3	0.75
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	4	0.75
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	5	0.75
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	14	0.75
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	15	0.75
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	16	0.75
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	5	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	1	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	1	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	1	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	3	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	3	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	3	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	4	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	4	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	4	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	6	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	6	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	6	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	9	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	9	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	9	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	10	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	10	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	10	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	11	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	11	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	11	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	12	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	12	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	12	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	15	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	15	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	15	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	17	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	17	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	17	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	18	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	18	0.75
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	18	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	2	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	3	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	4	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	5	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	7	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	8	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	10	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	12	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	13	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	15	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	17	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	18	0.75
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	19	0.75
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	1	0.75
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	2	0.75
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	3	0.75
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	7	0.75
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	8	0.75
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	10	0.75
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	15	0.75
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	18	0.75
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	3	0.75
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	4	0.75
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	12	0.75
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	14	0.75
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	15	0.75
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	20	0.75
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	20	0.75
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	4	0.75
(2,1470)	1:49:A:PRO:HG2	1:49:A:PRO:HD3	6	0.75
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	5	0.75
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	8	0.75
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	5	0.75
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	7	0.75
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	13	0.75
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	20	0.75
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	8	0.75
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	10	0.75
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	11	0.75
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	14	0.75
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	15	0.75
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	20	0.75
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	5	0.75
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	6	0.75
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	7	0.75
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	9	0.75
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	18	0.75
(2,1313)	1:65:A:ILE:HG13	1:65:A:ILE:H	19	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1299)	1:149:A:ASP:H	1:148:A:LYS:HB2	16	0.75
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	15	0.75
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	8	0.75
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	20	0.75
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	10	0.75
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	13	0.75
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	6	0.75
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	14	0.75
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	3	0.75
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	4	0.75
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	10	0.75
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	12	0.75
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	13	0.75
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	14	0.75
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	3	0.75
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	13	0.75
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	2	0.75
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	7	0.75
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	9	0.75
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	3	0.75
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	7	0.75
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	6	0.75
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	14	0.75
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	5	0.75
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	9	0.75
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	16	0.75
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	9	0.75
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	2	0.75
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	1	0.75
(2,746)	1:80:A:LYS:HB3	1:72:A:LEU:H	1	0.75
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	14	0.75
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	6	0.75
(2,702)	1:149:A:ASP:HB2	1:149:A:ASP:HA	17	0.75
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	1	0.75
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	1	0.75
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	1	0.75
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	8	0.75
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	8	0.75
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	8	0.75
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	3	0.75
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	7	0.75
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	8	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	16	0.75
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	18	0.75
(2,542)	1:68:A:LYS:H	1:68:A:LYS:HG3	10	0.75
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	2	0.75
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	20	0.75
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	7	0.75
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	13	0.75
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG21	2	0.75
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG22	2	0.75
(2,475)	1:84:A:ILE:HD11	1:84:A:ILE:HG23	2	0.75
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG21	2	0.75
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG22	2	0.75
(2,475)	1:84:A:ILE:HD12	1:84:A:ILE:HG23	2	0.75
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG21	2	0.75
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG22	2	0.75
(2,475)	1:84:A:ILE:HD13	1:84:A:ILE:HG23	2	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	2	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	2	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	2	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	3	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	3	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	3	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	4	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	4	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	4	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	5	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	5	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	5	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	6	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	6	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	6	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	7	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	7	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	7	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	10	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	10	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	10	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	11	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	11	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	11	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	12	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	12	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	13	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	13	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	13	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	17	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	17	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	17	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	19	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	19	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	19	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	20	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	20	0.75
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	20	0.75
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	8	0.75
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	14	0.75
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	13	0.75
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	14	0.75
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	18	0.75
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	6	0.75
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	8	0.75
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	3	0.75
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	10	0.75
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	20	0.75
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	17	0.75
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	12	0.75
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	12	0.75
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	12	0.75
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	17	0.75
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	17	0.75
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	17	0.75
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	7	0.75
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	14	0.75
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	16	0.75
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	19	0.75
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	8	0.75
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	1	0.75
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	3	0.75
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	4	0.75
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	12	0.75
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	15	0.75
(2,31)	1:80:A:LYS:HD2	1:80:A:LYS:HA	13	0.75
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	3	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	3	0.75
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	3	0.75
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	1	0.74
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	19	0.74
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	2	0.74
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	2	0.74
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	2	0.74
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	3	0.74
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	3	0.74
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	3	0.74
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	6	0.74
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	6	0.74
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	6	0.74
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	9	0.74
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	9	0.74
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	9	0.74
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	13	0.74
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	13	0.74
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	13	0.74
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	14	0.74
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	14	0.74
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	14	0.74
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	1	0.74
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	6	0.74
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	6	0.74
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	6	0.74
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	1	0.74
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	5	0.74
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	7	0.74
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	8	0.74
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	14	0.74
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	1	0.74
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	5	0.74
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	6	0.74
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	11	0.74
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	13	0.74
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	14	0.74
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	16	0.74
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	19	0.74
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	11	0.74
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	11	0.74
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	11	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	17	0.74
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	17	0.74
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	17	0.74
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	18	0.74
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	18	0.74
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	18	0.74
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	19	0.74
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	19	0.74
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	19	0.74
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	5	0.74
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	5	0.74
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	5	0.74
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	20	0.74
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	20	0.74
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	20	0.74
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	2	0.74
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	9	0.74
(4,1194)	1:123:A:TYR:HB2	1:124:A:GLY:H	16	0.74
(4,1194)	1:123:A:TYR:HB2	1:124:A:GLY:H	20	0.74
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	5	0.74
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	19	0.74
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	3	0.74
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	4	0.74
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	9	0.74
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	3	0.74
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	9	0.74
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	8	0.74
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	8	0.74
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	8	0.74
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG21	8	0.74
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG22	8	0.74
(4,958)	1:7:A:TYR:H	1:6:A:THR:HG23	8	0.74
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	1	0.74
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	2	0.74
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	3	0.74
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	4	0.74
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	7	0.74
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	10	0.74
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	11	0.74
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	16	0.74
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	18	0.74
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	11	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	11	0.74
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	11	0.74
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	8	0.74
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	1	0.74
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	12	0.74
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	15	0.74
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	9	0.74
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	10	0.74
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	15	0.74
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	8	0.74
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	20	0.74
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	20	0.74
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	4	0.74
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	17	0.74
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	19	0.74
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	11	0.74
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	3	0.74
(4,462)	1:144:A:ARG:HD2	1:145:A:MET:H	10	0.74
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	2	0.74
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	2	0.74
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	2	0.74
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	16	0.74
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	16	0.74
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	16	0.74
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	7	0.74
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	17	0.74
(4,243)	1:3:A:LYS:H	1:2:A:ARG:HG3	17	0.74
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	15	0.74
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	6	0.74
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	6	0.74
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	6	0.74
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	7	0.74
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	9	0.74
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	12	0.74
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	14	0.74
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	15	0.74
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	18	0.74
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	19	0.74
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	14	0.74
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	20	0.74
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	2	0.74
(4,43)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	20	0.74
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	20	0.74
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	13	0.74
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD1	16	0.74
(3,58)	1:111:A:PHE:HB3	1:111:A:PHE:HD2	16	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	1	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	1	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	2	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	2	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	3	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	3	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	4	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	4	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	5	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	5	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	7	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	7	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	8	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	8	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	10	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	10	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	11	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	11	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	12	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	12	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	13	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	13	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	14	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	14	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	16	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	16	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	17	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	17	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	18	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	18	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	19	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	19	0.74
(3,31)	1:22:A:PHE:HE1	1:22:A:PHE:HZ	20	0.74
(3,31)	1:22:A:PHE:HE2	1:22:A:PHE:HZ	20	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	1	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	1	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	1	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	2	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	2	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	2	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	2	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	3	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	3	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	3	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	3	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	4	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	4	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	4	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	4	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	5	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	5	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	5	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	5	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	6	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	6	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	6	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	6	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	7	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	7	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	7	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	7	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	8	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	8	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	8	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	8	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	9	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	9	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	9	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	9	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	10	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	10	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	10	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	10	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	11	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	11	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	11	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	11	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	12	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	12	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	12	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	12	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	13	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	13	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	13	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	13	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	14	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	14	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	14	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	14	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	15	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	15	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	15	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	15	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	16	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	16	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	16	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	16	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	17	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	17	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	17	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	17	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	18	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	18	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	18	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	18	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	19	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	19	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	19	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	19	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE1	20	0.74
(3,20)	1:59:A:TYR:HD1	1:59:A:TYR:HE2	20	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE1	20	0.74
(3,20)	1:59:A:TYR:HD2	1:59:A:TYR:HE2	20	0.74
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	6	0.74
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	12	0.74
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	1	0.74
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	3	0.74
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	6	0.74
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	7	0.74
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	16	0.74
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	17	0.74
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	18	0.74
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	19	0.74
(2,3159)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	20	0.74
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	10	0.74
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	12	0.74
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	4	0.74
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	4	0.74
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	4	0.74
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	5	0.74
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	5	0.74
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	5	0.74
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	7	0.74
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	7	0.74
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	7	0.74
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	17	0.74
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	17	0.74
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	17	0.74
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	5	0.74
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	5	0.74
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	5	0.74
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	1	0.74
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	3	0.74
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	4	0.74
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	13	0.74
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	20	0.74
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	7	0.74
(2,2938)	1:43:A:GLY:HA3	1:44:A:GLN:H	11	0.74
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	5	0.74
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	6	0.74
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	15	0.74
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	16	0.74
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	17	0.74
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	18	0.74
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	5	0.74
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	18	0.74
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	14	0.74
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	2	0.74
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	4	0.74
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	7	0.74
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	10	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	11	0.74
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	13	0.74
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	15	0.74
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	18	0.74
(2,2845)	1:133:A:SER:HB3	1:133:A:SER:HA	20	0.74
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	3	0.74
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	2	0.74
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	5	0.74
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	7	0.74
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	15	0.74
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	19	0.74
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	18	0.74
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	5	0.74
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	5	0.74
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	5	0.74
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	14	0.74
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	14	0.74
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	14	0.74
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	16	0.74
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	16	0.74
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	16	0.74
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	3	0.74
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	10	0.74
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	7	0.74
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	20	0.74
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	4	0.74
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	9	0.74
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	14	0.74
(2,2669)	1:80:A:LYS:HB3	1:80:A:LYS:HG2	13	0.74
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	17	0.74
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	9	0.74
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	13	0.74
(2,2539)	1:94:A:PRO:HA	1:94:A:PRO:HB2	17	0.74
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	3	0.74
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	5	0.74
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	10	0.74
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	17	0.74
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	7	0.74
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	9	0.74
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	11	0.74
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	16	0.74
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	17	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	6	0.74
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	11	0.74
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	18	0.74
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	1	0.74
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	15	0.74
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	9	0.74
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	9	0.74
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	9	0.74
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	18	0.74
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	13	0.74
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	14	0.74
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	15	0.74
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	1	0.74
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	9	0.74
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	7	0.74
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	18	0.74
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	10	0.74
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	14	0.74
(2,2087)	1:166:A:ASN:HA	1:166:A:ASN:HB2	13	0.74
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	1	0.74
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	2	0.74
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	9	0.74
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	17	0.74
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	19	0.74
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	9	0.74
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	14	0.74
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	2	0.74
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	13	0.74
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	18	0.74
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	1	0.74
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	8	0.74
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	6	0.74
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	7	0.74
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	8	0.74
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	15	0.74
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	2	0.74
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	10	0.74
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	17	0.74
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	12	0.74
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	1	0.74
(2,1860)	1:2:A:ARG:HB2	1:2:A:ARG:HA	10	0.74
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	13	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	13	0.74
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	15	0.74
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	13	0.74
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	19	0.74
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	4	0.74
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	7	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	2	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	2	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	2	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	5	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	5	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	5	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	7	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	7	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	7	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	8	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	8	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	8	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	13	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	13	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	13	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	14	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	14	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	14	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	16	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	16	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	16	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	19	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	19	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	19	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG21	20	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG22	20	0.74
(2,1718)	1:101:A:ILE:HG13	1:101:A:ILE:HG23	20	0.74
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	1	0.74
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	6	0.74
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	14	0.74
(2,1710)	1:52:A:PRO:HG2	1:52:A:PRO:HD3	16	0.74
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	6	0.74
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	9	0.74
(2,1666)	1:79:A:MET:HB3	1:79:A:MET:HA	11	0.74
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	6	0.74
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	16	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	17	0.74
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	19	0.74
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	5	0.74
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	5	0.74
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	5	0.74
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	13	0.74
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	13	0.74
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	13	0.74
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	18	0.74
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	18	0.74
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	18	0.74
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	3	0.74
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	6	0.74
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	13	0.74
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	15	0.74
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	18	0.74
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	19	0.74
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	14	0.74
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	3	0.74
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	6	0.74
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	7	0.74
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	13	0.74
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	17	0.74
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	19	0.74
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	1	0.74
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	2	0.74
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	9	0.74
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	10	0.74
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	15	0.74
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	17	0.74
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	20	0.74
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	2	0.74
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	13	0.74
(2,1500)	1:130:A:ASN:HB2	1:129:A:ASN:H	7	0.74
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	7	0.74
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	11	0.74
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	5	0.74
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	6	0.74
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	16	0.74
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	9	0.74
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	11	0.74
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	15	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	19	0.74
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	8	0.74
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	6	0.74
(2,1341)	1:50:A:GLY:H	1:49:A:PRO:HB2	19	0.74
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	10	0.74
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	13	0.74
(2,1288)	1:140:A:LYS:HB3	1:140:A:LYS:HD3	18	0.74
(2,1230)	1:77:A:ARG:HA	1:77:A:ARG:HB2	4	0.74
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	13	0.74
(2,1213)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	12	0.74
(2,1202)	1:44:A:GLN:HB3	1:44:A:GLN:HA	8	0.74
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	9	0.74
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	1	0.74
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	8	0.74
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	13	0.74
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	15	0.74
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	16	0.74
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	18	0.74
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	19	0.74
(2,1090)	1:24:A:ILE:HB	1:24:A:ILE:H	1	0.74
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	2	0.74
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	13	0.74
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	10	0.74
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	18	0.74
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	16	0.74
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	8	0.74
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	20	0.74
(2,885)	1:97:A:GLU:HB2	1:97:A:GLU:HG3	4	0.74
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	16	0.74
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	3	0.74
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	2	0.74
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	6	0.74
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	11	0.74
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	12	0.74
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	19	0.74
(2,807)	1:46:A:ILE:HB	1:47:A:VAL:H	8	0.74
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	12	0.74
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	16	0.74
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	10	0.74
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	17	0.74
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	1	0.74
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	6	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	10	0.74
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	17	0.74
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	4	0.74
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	12	0.74
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	16	0.74
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	11	0.74
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	20	0.74
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	3	0.74
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	7	0.74
(2,490)	1:11:A:GLN:HG2	1:12:A:GLY:H	11	0.74
(2,418)	1:98:A:PHE:HB2	1:99:A:TYR:H	10	0.74
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	10	0.74
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	20	0.74
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	6	0.74
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	14	0.74
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	14	0.74
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	14	0.74
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	18	0.74
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	18	0.74
(2,350)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	18	0.74
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	15	0.74
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	7	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	1	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	2	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	3	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	4	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	5	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	7	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	9	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	10	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	11	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	12	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	13	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	14	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	15	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	16	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	17	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	18	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	19	0.74
(2,289)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	20	0.74
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	7	0.74
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	16	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	20	0.74
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	11	0.74
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	1	0.74
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	1	0.74
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	12	0.74
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	4	0.74
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	5	0.74
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	9	0.74
(2,57)	1:140:A:LYS:HA	1:140:A:LYS:HB2	3	0.74
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	4	0.74
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	5	0.74
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	12	0.74
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	10	0.74
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	17	0.74
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	17	0.74
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	17	0.74
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	17	0.74
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	4	0.74
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	17	0.74
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	20	0.74
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	9	0.74
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	9	0.74
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	9	0.74
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	12	0.74
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	12	0.74
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	12	0.74
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	12	0.74
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	12	0.74
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	12	0.74
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	1	0.73
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	8	0.73
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	1	0.73
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	1	0.73
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	1	0.73
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	4	0.73
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	4	0.73
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	4	0.73
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	7	0.73
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	7	0.73
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	7	0.73
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	8	0.73
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	8	0.73
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	13	0.73
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	5	0.73
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	5	0.73
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	5	0.73
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	10	0.73
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	10	0.73
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	10	0.73
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	13	0.73
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	13	0.73
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	13	0.73
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	17	0.73
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	17	0.73
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	17	0.73
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	6	0.73
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	12	0.73
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	15	0.73
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	2	0.73
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	7	0.73
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	8	0.73
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	10	0.73
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	15	0.73
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	18	0.73
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	5	0.73
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	5	0.73
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	5	0.73
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	13	0.73
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	13	0.73
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	13	0.73
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	6	0.73
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	11	0.73
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	13	0.73
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	17	0.73
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	2	0.73
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	2	0.73
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	2	0.73
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	4	0.73
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	4	0.73
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	4	0.73
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	7	0.73
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	7	0.73
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	7	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	12	0.73
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	12	0.73
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	12	0.73
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	13	0.73
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	13	0.73
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	13	0.73
(4,1268)	1:163:A:VAL:HG21	1:163:A:VAL:H	14	0.73
(4,1268)	1:163:A:VAL:HG22	1:163:A:VAL:H	14	0.73
(4,1268)	1:163:A:VAL:HG23	1:163:A:VAL:H	14	0.73
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	16	0.73
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	16	0.73
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	16	0.73
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	15	0.73
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	17	0.73
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	14	0.73
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	14	0.73
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	14	0.73
(4,1121)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	6	0.73
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	8	0.73
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	4	0.73
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	19	0.73
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	4	0.73
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	4	0.73
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	4	0.73
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	1	0.73
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	1	0.73
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	1	0.73
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	7	0.73
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	7	0.73
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	7	0.73
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	17	0.73
(4,964)	1:136:A:LYS:HD2	1:137:A:ALA:H	6	0.73
(4,964)	1:136:A:LYS:HD2	1:137:A:ALA:H	17	0.73
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	8	0.73
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	15	0.73
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	11	0.73
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	12	0.73
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	19	0.73
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	13	0.73
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	5	0.73
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	15	0.73
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	13	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	6	0.73
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	7	0.73
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	20	0.73
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	12	0.73
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	14	0.73
(4,462)	1:144:A:ARG:HD2	1:145:A:MET:H	7	0.73
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	6	0.73
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	16	0.73
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	16	0.73
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	16	0.73
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	6	0.73
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	5	0.73
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	8	0.73
(4,243)	1:3:A:LYS:H	1:2:A:ARG:HG3	20	0.73
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	9	0.73
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	20	0.73
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	20	0.73
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	20	0.73
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	14	0.73
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	14	0.73
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	14	0.73
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	15	0.73
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	15	0.73
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	15	0.73
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	20	0.73
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	20	0.73
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	20	0.73
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	3	0.73
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	4	0.73
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	6	0.73
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	8	0.73
(4,121)	1:118:A:LEU:HB2	1:118:A:LEU:H	17	0.73
(4,106)	1:77:A:ARG:HB2	1:78:A:VAL:H	11	0.73
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	9	0.73
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	12	0.73
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	15	0.73
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	16	0.73
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	17	0.73
(4,43)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	2	0.73
(4,43)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	10	0.73
(4,43)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	13	0.73
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	1	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	1	0.73
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	13	0.73
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	13	0.73
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	16	0.73
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	16	0.73
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	2	0.73
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	2	0.73
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	10	0.73
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	10	0.73
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD1	18	0.73
(3,66)	1:7:A:TYR:HB2	1:7:A:TYR:HD2	18	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	1	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	2	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	3	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	4	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	5	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	6	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	7	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	8	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	9	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	10	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	11	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	12	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	14	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	15	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	16	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	17	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	18	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	19	0.73
(3,60)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	20	0.73
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	19	0.73
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	3	0.73
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	4	0.73
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	9	0.73
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	18	0.73
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	5	0.73
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	1	0.73
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	11	0.73
(2,3079)	1:75:A:ASN:HB3	1:75:A:ASN:HA	9	0.73
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	3	0.73
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	3	0.73
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	6	0.73
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	6	0.73
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	6	0.73
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	15	0.73
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	15	0.73
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	15	0.73
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	18	0.73
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	18	0.73
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	18	0.73
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	19	0.73
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	19	0.73
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	19	0.73
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	7	0.73
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	7	0.73
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	7	0.73
(2,3068)	1:153:A:LEU:HD11	1:153:A:LEU:HA	11	0.73
(2,3068)	1:153:A:LEU:HD12	1:153:A:LEU:HA	11	0.73
(2,3068)	1:153:A:LEU:HD13	1:153:A:LEU:HA	11	0.73
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	18	0.73
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	6	0.73
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	9	0.73
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	18	0.73
(2,2971)	1:103:A:ARG:HG2	1:103:A:ARG:H	6	0.73
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	1	0.73
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	4	0.73
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	12	0.73
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	14	0.73
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	10	0.73
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	1	0.73
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	3	0.73
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	4	0.73
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	10	0.73
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	11	0.73
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	14	0.73
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	18	0.73
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	20	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	1	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	2	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	3	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	4	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	5	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	6	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	7	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	8	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	9	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	10	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	11	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	13	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	14	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	15	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	16	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	17	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	19	0.73
(2,2811)	1:104:A:GLN:HB3	1:104:A:GLN:HA	20	0.73
(2,2791)	1:45:A:SER:HB2	1:45:A:SER:HA	7	0.73
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	2	0.73
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	7	0.73
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	5	0.73
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	6	0.73
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	13	0.73
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	14	0.73
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	15	0.73
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	11	0.73
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	12	0.73
(2,2719)	1:47:A:VAL:HA	1:47:A:VAL:HB	13	0.73
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	9	0.73
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	9	0.73
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	9	0.73
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	12	0.73
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	17	0.73
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	15	0.73
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	16	0.73
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	18	0.73
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	19	0.73
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	19	0.73
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	1	0.73
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	4	0.73
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	8	0.73
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	15	0.73
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	16	0.73
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	3	0.73
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	9	0.73
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	15	0.73
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	10	0.73
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	12	0.73
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	19	0.73
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	6	0.73
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	2	0.73
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	6	0.73
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	9	0.73
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	11	0.73
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	12	0.73
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	15	0.73
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	16	0.73
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	18	0.73
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	19	0.73
(2,2314)	1:40:A:LEU:H	1:39:A:GLY:HA3	15	0.73
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	1	0.73
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	1	0.73
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	10	0.73
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	20	0.73
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	8	0.73
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	11	0.73
(2,2093)	1:79:A:MET:HB3	1:80:A:LYS:H	20	0.73
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	7	0.73
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	8	0.73
(2,2073)	1:8:A:GLN:HB3	1:8:A:GLN:HG2	16	0.73
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	12	0.73
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	15	0.73
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	17	0.73
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	19	0.73
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	9	0.73
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	18	0.73
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	9	0.73
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	13	0.73
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	19	0.73
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	2	0.73
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	14	0.73
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	11	0.73
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	16	0.73
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	20	0.73
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	10	0.73
(2,1776)	1:5:A:LEU:HB2	1:5:A:LEU:HG	7	0.73
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	13	0.73
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	3	0.73
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	5	0.73
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	8	0.73
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	10	0.73
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	11	0.73
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	5	0.73
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	9	0.73
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	14	0.73
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	17	0.73
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	11	0.73
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	1	0.73
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	2	0.73
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	5	0.73
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	8	0.73
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	9	0.73
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	12	0.73
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	14	0.73
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	15	0.73
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	16	0.73
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	18	0.73
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	3	0.73
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	4	0.73
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	13	0.73
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	14	0.73
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	10	0.73
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	18	0.73
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	3	0.73
(2,1487)	1:88:A:LYS:HG2	1:88:A:LYS:HA	12	0.73
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	7	0.73
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	4	0.73
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	8	0.73
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	9	0.73
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	14	0.73
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	18	0.73
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	6	0.73
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	13	0.73
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	14	0.73
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	18	0.73
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	20	0.73
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	19	0.73
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	3	0.73
(2,1397)	1:8:A:GLN:HG2	1:9:A:VAL:H	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	16	0.73
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	5	0.73
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	16	0.73
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	18	0.73
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	17	0.73
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	5	0.73
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	6	0.73
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	4	0.73
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	15	0.73
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	4	0.73
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	4	0.73
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	4	0.73
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	7	0.73
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	15	0.73
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	3	0.73
(2,1107)	1:26:A:THR:H	1:25:A:SER:HB3	9	0.73
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	5	0.73
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	7	0.73
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	18	0.73
(2,991)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	17	0.73
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	15	0.73
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	17	0.73
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	18	0.73
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	12	0.73
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	1	0.73
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	20	0.73
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	8	0.73
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	10	0.73
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	14	0.73
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	18	0.73
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	20	0.73
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	4	0.73
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	8	0.73
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	14	0.73
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	9	0.73
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	17	0.73
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	3	0.73
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	5	0.73
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	6	0.73
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	14	0.73
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	4	0.73
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	4	0.73
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	15	0.73
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	15	0.73
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	15	0.73
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	10	0.73
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	3	0.73
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	5	0.73
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	6	0.73
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	20	0.73
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	15	0.73
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	6	0.73
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	10	0.73
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	4	0.73
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	6	0.73
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	7	0.73
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	8	0.73
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	9	0.73
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	11	0.73
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	12	0.73
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	16	0.73
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	17	0.73
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	19	0.73
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	14	0.73
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	7	0.73
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	11	0.73
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	17	0.73
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	18	0.73
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	19	0.73
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	15	0.73
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	6	0.73
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	5	0.73
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	12	0.73
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	14	0.73
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	20	0.73
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	7	0.73
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	1	0.73
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	10	0.73
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	7	0.73
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	8	0.73
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	11	0.73
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	13	0.73
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	18	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	19	0.73
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	13	0.73
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	8	0.73
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	10	0.73
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	17	0.73
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	11	0.73
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	15	0.73
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	9	0.73
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	9	0.73
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	9	0.73
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	8	0.73
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	8	0.73
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	8	0.73
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	3	0.73
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	3	0.73
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	3	0.73
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	3	0.73
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	3	0.73
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	3	0.73
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	20	0.72
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	11	0.72
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	11	0.72
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	11	0.72
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	20	0.72
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	20	0.72
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	20	0.72
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	18	0.72
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	1	0.72
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	1	0.72
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	1	0.72
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	4	0.72
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	9	0.72
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	12	0.72
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	17	0.72
(4,1318)	1:79:A:MET:H	1:78:A:VAL:HA	20	0.72
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	20	0.72
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	20	0.72
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	20	0.72
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	20	0.72
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	20	0.72
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	20	0.72
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	7	0.72
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	20	0.72
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	7	0.72
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	12	0.72
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	20	0.72
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	20	0.72
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	20	0.72
(4,1121)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	18	0.72
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	7	0.72
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	17	0.72
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	6	0.72
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	6	0.72
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	6	0.72
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	15	0.72
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	15	0.72
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	15	0.72
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	8	0.72
(4,937)	1:98:A:PHE:HB2	1:98:A:PHE:H	13	0.72
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	15	0.72
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	6	0.72
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	10	0.72
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	13	0.72
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	14	0.72
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	15	0.72
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	19	0.72
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	14	0.72
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	14	0.72
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	14	0.72
(4,840)	1:134:A:ILE:HD11	1:135:A:GLY:H	20	0.72
(4,840)	1:134:A:ILE:HD12	1:135:A:GLY:H	20	0.72
(4,840)	1:134:A:ILE:HD13	1:135:A:GLY:H	20	0.72
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	7	0.72
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	16	0.72
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	18	0.72
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	5	0.72
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	18	0.72
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	19	0.72
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	19	0.72
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	19	0.72
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	2	0.72
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	10	0.72
(4,786)	1:89:A:ILE:H	1:90:A:LEU:H	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	16	0.72
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	18	0.72
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	3	0.72
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	16	0.72
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	3	0.72
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	4	0.72
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	6	0.72
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	15	0.72
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	7	0.72
(4,462)	1:144:A:ARG:HD2	1:145:A:MET:H	9	0.72
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	19	0.72
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	19	0.72
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	19	0.72
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	3	0.72
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	3	0.72
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	3	0.72
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	13	0.72
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	16	0.72
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	3	0.72
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	6	0.72
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	17	0.72
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	1	0.72
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	1	0.72
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	1	0.72
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	8	0.72
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	15	0.72
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	19	0.72
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	18	0.72
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	4	0.72
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	5	0.72
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	6	0.72
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	19	0.72
(4,43)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	5	0.72
(4,43)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	19	0.72
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	6	0.72
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	6	0.72
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	9	0.72
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	9	0.72
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	19	0.72
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	19	0.72
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	1	0.72
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	15	0.72
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	9	0.72
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	15	0.72
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	12	0.72
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	16	0.72
(2,3168)	1:30:A:LEU:HB2	1:31:A:GLN:H	8	0.72
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	19	0.72
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	14	0.72
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	1	0.72
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	1	0.72
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	1	0.72
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	2	0.72
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	2	0.72
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	2	0.72
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	10	0.72
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	10	0.72
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	10	0.72
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	13	0.72
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	13	0.72
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	13	0.72
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	12	0.72
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	12	0.72
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	12	0.72
(2,2973)	1:51:A:LEU:HB3	1:51:A:LEU:H	20	0.72
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	19	0.72
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	3	0.72
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	10	0.72
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	19	0.72
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	6	0.72
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	18	0.72
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	8	0.72
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	20	0.72
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	3	0.72
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	7	0.72
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	8	0.72
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	11	0.72
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	19	0.72
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	20	0.72
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	20	0.72
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	10	0.72
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	6	0.72
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG21	2	0.72
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG22	2	0.72
(2,2794)	1:102:A:ASN:H	1:101:A:ILE:HG23	2	0.72
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	16	0.72
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	3	0.72
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	4	0.72
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	7	0.72
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	11	0.72
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	12	0.72
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	5	0.72
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	6	0.72
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	3	0.72
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	5	0.72
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	8	0.72
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	12	0.72
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	10	0.72
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	6	0.72
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	7	0.72
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	9	0.72
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	13	0.72
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	14	0.72
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	18	0.72
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	20	0.72
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	17	0.72
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	4	0.72
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	6	0.72
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	12	0.72
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	2	0.72
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	3	0.72
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	10	0.72
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	13	0.72
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	17	0.72
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	19	0.72
(2,2396)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	4	0.72
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	2	0.72
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	4	0.72
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	15	0.72
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	17	0.72
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	20	0.72
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	18	0.72
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	1	0.72
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	4	0.72
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	5	0.72
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	7	0.72
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	8	0.72
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	10	0.72
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	13	0.72
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	14	0.72
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	17	0.72
(2,2332)	1:41:A:THR:HA	1:41:A:THR:HB	20	0.72
(2,2315)	1:31:A:GLN:HA	1:31:A:GLN:HB2	5	0.72
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	3	0.72
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	2	0.72
(2,2102)	1:119:A:SER:H	1:119:A:SER:HB3	14	0.72
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	1	0.72
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	11	0.72
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	13	0.72
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	11	0.72
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	14	0.72
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	18	0.72
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	15	0.72
(2,2007)	1:111:A:PHE:HB3	1:112:A:GLY:H	17	0.72
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	1	0.72
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	10	0.72
(2,1990)	1:79:A:MET:HG2	1:79:A:MET:HB2	12	0.72
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	3	0.72
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	14	0.72
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	4	0.72
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	1	0.72
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	6	0.72
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	9	0.72
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	3	0.72
(2,1865)	1:148:A:LYS:HG3	1:148:A:LYS:HB2	19	0.72
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	3	0.72
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	5	0.72
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	8	0.72
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	9	0.72
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	12	0.72
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	9	0.72
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	19	0.72
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	17	0.72
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	4	0.72
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	12	0.72
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	12	0.72
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	12	0.72
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	2	0.72
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	4	0.72
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	12	0.72
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	16	0.72
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	10	0.72
(2,1581)	1:110:A:PRO:HD2	1:110:A:PRO:HA	20	0.72
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	5	0.72
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	11	0.72
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	1	0.72
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	2	0.72
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	3	0.72
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	7	0.72
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	11	0.72
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	15	0.72
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	19	0.72
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	20	0.72
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	10	0.72
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	12	0.72
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	15	0.72
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	1	0.72
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	9	0.72
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	10	0.72
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	14	0.72
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	1	0.72
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	16	0.72
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	5	0.72
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	5	0.72
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	5	0.72
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	7	0.72
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	11	0.72
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	3	0.72
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	7	0.72
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	9	0.72
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	16	0.72
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	19	0.72
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	11	0.72
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	18	0.72
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	1	0.72
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	9	0.72
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	14	0.72
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	15	0.72
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	16	0.72
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	5	0.72
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	16	0.72
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	18	0.72
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	7	0.72
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	19	0.72
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	4	0.72
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	17	0.72
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	19	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	1	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	2	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	3	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	6	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	7	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	10	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	11	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	12	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	13	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	14	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	15	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	16	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	17	0.72
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	19	0.72
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	14	0.72
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	7	0.72
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	7	0.72
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	7	0.72
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	10	0.72
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	10	0.72
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	10	0.72
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	17	0.72
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	2	0.72
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	4	0.72
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	5	0.72
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	7	0.72
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	11	0.72
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	12	0.72
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	14	0.72
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	15	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	18	0.72
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	3	0.72
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	4	0.72
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	5	0.72
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	12	0.72
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	16	0.72
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	18	0.72
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	19	0.72
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	1	0.72
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	7	0.72
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	10	0.72
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	11	0.72
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	13	0.72
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	14	0.72
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	19	0.72
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	5	0.72
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	8	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	2	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	3	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	4	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	5	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	6	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	7	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	8	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	9	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	10	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	11	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	12	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	13	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	14	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	15	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	17	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	19	0.72
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	20	0.72
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	1	0.72
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	3	0.72
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	13	0.72
(2,811)	1:92:A:GLN:HG2	1:92:A:GLN:HB3	15	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	1	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	2	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	3	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	5	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	6	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	7	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	8	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	9	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	10	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	11	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	12	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	13	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	14	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	15	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	17	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	18	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	19	0.72
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	20	0.72
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	8	0.72
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	2	0.72
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	2	0.72
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	2	0.72
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	3	0.72
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	3	0.72
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	3	0.72
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	5	0.72
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	5	0.72
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	5	0.72
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	7	0.72
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	7	0.72
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	7	0.72
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	9	0.72
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	9	0.72
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	9	0.72
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	12	0.72
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	12	0.72
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	12	0.72
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	17	0.72
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	17	0.72
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	17	0.72
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	3	0.72
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	4	0.72
(2,646)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	8	0.72
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	4	0.72
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	12	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	16	0.72
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	19	0.72
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	20	0.72
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	15	0.72
(2,575)	1:47:A:VAL:HB	1:47:A:VAL:H	19	0.72
(2,566)	1:55:A:TYR:HA	1:56:A:THR:H	10	0.72
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	7	0.72
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	12	0.72
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	20	0.72
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	1	0.72
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	2	0.72
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	3	0.72
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	5	0.72
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	13	0.72
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	15	0.72
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	2	0.72
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	12	0.72
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	14	0.72
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	19	0.72
(2,457)	1:145:A:MET:HE1	1:145:A:MET:HA	12	0.72
(2,457)	1:145:A:MET:HE2	1:145:A:MET:HA	12	0.72
(2,457)	1:145:A:MET:HE3	1:145:A:MET:HA	12	0.72
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	3	0.72
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	6	0.72
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	10	0.72
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	16	0.72
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	12	0.72
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	16	0.72
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	2	0.72
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	4	0.72
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	8	0.72
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	11	0.72
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	12	0.72
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	14	0.72
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	17	0.72
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	19	0.72
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	10	0.72
(2,263)	1:143:A:ILE:HD11	1:143:A:ILE:HB	20	0.72
(2,263)	1:143:A:ILE:HD12	1:143:A:ILE:HB	20	0.72
(2,263)	1:143:A:ILE:HD13	1:143:A:ILE:HB	20	0.72
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	4	0.72
(2,176)	1:140:A:LYS:HG2	1:140:A:LYS:H	15	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	11	0.72
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	1	0.72
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	1	0.72
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	1	0.72
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	8	0.72
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	8	0.72
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	8	0.72
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	18	0.72
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	18	0.72
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	18	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	1	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	2	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	3	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	4	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	5	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	6	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	9	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	10	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	12	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	14	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	15	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	16	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	17	0.72
(2,137)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	20	0.72
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	3	0.72
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	12	0.72
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	16	0.72
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	3	0.72
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	9	0.72
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	13	0.72
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	17	0.72
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	20	0.72
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	2	0.72
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	3	0.72
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	5	0.72
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	11	0.72
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	19	0.72
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	16	0.72
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	16	0.72
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	16	0.72
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	1	0.72
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	1	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	1	0.72
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	3	0.72
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	3	0.72
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	3	0.72
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	7	0.72
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	7	0.72
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	7	0.72
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	13	0.72
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	13	0.72
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	13	0.72
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	18	0.71
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	11	0.71
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	13	0.71
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	15	0.71
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	10	0.71
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	10	0.71
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	10	0.71
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	15	0.71
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	15	0.71
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	15	0.71
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	16	0.71
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	16	0.71
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	16	0.71
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	17	0.71
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	17	0.71
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	17	0.71
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	18	0.71
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	18	0.71
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	18	0.71
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	6	0.71
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	7	0.71
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	8	0.71
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	9	0.71
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	10	0.71
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	7	0.71
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	7	0.71
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	7	0.71
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	8	0.71
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	8	0.71
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	8	0.71
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	12	0.71
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	12	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	12	0.71
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	20	0.71
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	20	0.71
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	20	0.71
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	1	0.71
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	9	0.71
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	10	0.71
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	13	0.71
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	18	0.71
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	15	0.71
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	15	0.71
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	15	0.71
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	2	0.71
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	2	0.71
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	2	0.71
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	2	0.71
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	11	0.71
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	12	0.71
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	12	0.71
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	12	0.71
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	12	0.71
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	18	0.71
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	18	0.71
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	18	0.71
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	1	0.71
(4,1194)	1:123:A:TYR:HB2	1:124:A:GLY:H	5	0.71
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	10	0.71
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	18	0.71
(4,1179)	1:121:A:GLN:HE21	1:121:A:GLN:H	17	0.71
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	3	0.71
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	3	0.71
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	3	0.71
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	10	0.71
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	10	0.71
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	10	0.71
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	13	0.71
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	13	0.71
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	13	0.71
(4,1088)	1:86:A:VAL:HG11	1:86:A:VAL:H	2	0.71
(4,1088)	1:86:A:VAL:HG12	1:86:A:VAL:H	2	0.71
(4,1088)	1:86:A:VAL:HG13	1:86:A:VAL:H	2	0.71
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	15	0.71
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	16	0.71
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	16	0.71
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	16	0.71
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	2	0.71
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	2	0.71
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	2	0.71
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	16	0.71
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	3	0.71
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	5	0.71
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	9	0.71
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	2	0.71
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	3	0.71
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	7	0.71
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	1	0.71
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	9	0.71
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	14	0.71
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	17	0.71
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	3	0.71
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	3	0.71
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	3	0.71
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	17	0.71
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	17	0.71
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	17	0.71
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	20	0.71
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	17	0.71
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	4	0.71
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	3	0.71
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	8	0.71
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	16	0.71
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	5	0.71
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	15	0.71
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	17	0.71
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	3	0.71
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	10	0.71
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	1	0.71
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	12	0.71
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	3	0.71
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	4	0.71
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	6	0.71
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	8	0.71
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	12	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	14	0.71
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	16	0.71
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	17	0.71
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	17	0.71
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	17	0.71
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	18	0.71
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	18	0.71
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	18	0.71
(4,128)	1:59:A:TYR:HD1	1:59:A:TYR:H	1	0.71
(4,128)	1:59:A:TYR:HD2	1:59:A:TYR:H	1	0.71
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	20	0.71
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	18	0.71
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	5	0.71
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	5	0.71
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	15	0.71
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	15	0.71
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	17	0.71
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	17	0.71
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	1	0.71
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	1	0.71
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	1	0.71
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	1	0.71
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	1	0.71
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	1	0.71
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	14	0.71
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	14	0.71
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	14	0.71
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	14	0.71
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	14	0.71
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	14	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	2	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	4	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	5	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	6	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	7	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	8	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	9	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	10	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	11	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	12	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	13	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	14	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	16	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	17	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	18	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	19	0.71
(3,21)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	20	0.71
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	1	0.71
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	14	0.71
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	12	0.71
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	14	0.71
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	16	0.71
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	19	0.71
(2,3135)	1:131:A:PRO:HA	1:133:A:SER:H	12	0.71
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	12	0.71
(2,3113)	1:10:A:LYS:HG2	1:10:A:LYS:HA	16	0.71
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	18	0.71
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	11	0.71
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	11	0.71
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	11	0.71
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	12	0.71
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	12	0.71
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	12	0.71
(2,3076)	1:40:A:LEU:HD11	1:40:A:LEU:HB2	14	0.71
(2,3076)	1:40:A:LEU:HD12	1:40:A:LEU:HB2	14	0.71
(2,3076)	1:40:A:LEU:HD13	1:40:A:LEU:HB2	14	0.71
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	6	0.71
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	6	0.71
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	9	0.71
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	13	0.71
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	9	0.71
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	2	0.71
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	7	0.71
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	9	0.71
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	19	0.71
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	1	0.71
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	2	0.71
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	6	0.71
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	9	0.71
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	10	0.71
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	15	0.71
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	18	0.71
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	8	0.71
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	16	0.71
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	8	0.71
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	19	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	1	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	2	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	3	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	4	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	5	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	6	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	8	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	9	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	10	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	11	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	12	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	14	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	16	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	17	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	18	0.71
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	19	0.71
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	5	0.71
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	5	0.71
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	5	0.71
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	5	0.71
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	12	0.71
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	13	0.71
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	17	0.71
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	5	0.71
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	9	0.71
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	20	0.71
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	4	0.71
(2,2495)	1:8:A:GLN:HB2	1:8:A:GLN:H	11	0.71
(2,2486)	1:95:A:THR:H	1:95:A:THR:HB	11	0.71
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	1	0.71
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	3	0.71
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	5	0.71
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	6	0.71
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	11	0.71
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	14	0.71
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	17	0.71
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	1	0.71
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	13	0.71
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	18	0.71
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	19	0.71
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	1	0.71
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	4	0.71
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	5	0.71
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	6	0.71
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	7	0.71
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	8	0.71
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	12	0.71
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	18	0.71
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	5	0.71
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	13	0.71
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	16	0.71
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	17	0.71
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	7	0.71
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	12	0.71
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	15	0.71
(2,2258)	1:44:A:GLN:HG3	1:44:A:GLN:HA	19	0.71
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	1	0.71
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	19	0.71
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	2	0.71
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	4	0.71
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	5	0.71
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	9	0.71
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	1	0.71
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	20	0.71
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	18	0.71
(2,1905)	1:120:A:LYS:HA	1:120:A:LYS:HD3	18	0.71
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	5	0.71
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	7	0.71
(2,1819)	1:102:A:ASN:H	1:102:A:ASN:HB3	19	0.71
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	13	0.71
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	8	0.71
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	5	0.71
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	11	0.71
(2,1655)	1:79:A:MET:HG2	1:79:A:MET:HB3	17	0.71
(2,1610)	1:152:A:GLU:HA	1:153:A:LEU:H	9	0.71
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	3	0.71
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	6	0.71
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	11	0.71
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	17	0.71
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	15	0.71
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	15	0.71
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	1	0.71
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	10	0.71
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	8	0.71
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	17	0.71
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	19	0.71
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	7	0.71
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	8	0.71
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	12	0.71
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	13	0.71
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	16	0.71
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	13	0.71
(2,1431)	1:166:A:ASN:HA	1:166:A:ASN:HB2	17	0.71
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	4	0.71
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	7	0.71
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	19	0.71
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	1	0.71
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	18	0.71
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	1	0.71
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	2	0.71
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	6	0.71
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	16	0.71
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	16	0.71
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	16	0.71
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	5	0.71
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	15	0.71
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	19	0.71
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	2	0.71
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	7	0.71
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	15	0.71
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	5	0.71
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	13	0.71
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	8	0.71
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	11	0.71
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	2	0.71
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	8	0.71
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	14	0.71
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	2	0.71
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	8	0.71
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	9	0.71
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	7	0.71
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	8	0.71
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	11	0.71
(2,1038)	1:122:A:HIS:HB2	1:122:A:HIS:HA	19	0.71
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	1	0.71
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	9	0.71
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	13	0.71
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	20	0.71
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	12	0.71
(2,978)	1:120:A:LYS:HB2	1:120:A:LYS:HD2	4	0.71
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	1	0.71
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	2	0.71
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	3	0.71
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	5	0.71
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	6	0.71
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	7	0.71
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	13	0.71
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	15	0.71
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	16	0.71
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	20	0.71
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	4	0.71
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	5	0.71
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	8	0.71
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	9	0.71
(2,920)	1:92:A:GLN:HA	1:92:A:GLN:HB2	20	0.71
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	20	0.71
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	8	0.71
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	8	0.71
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	8	0.71
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	12	0.71
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	12	0.71
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	12	0.71
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	17	0.71
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	17	0.71
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	17	0.71
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	18	0.71
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	18	0.71
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	18	0.71
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	18	0.71
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	2	0.71
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	1	0.71
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	3	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	6	0.71
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	8	0.71
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	9	0.71
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	10	0.71
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	13	0.71
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	16	0.71
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	20	0.71
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	4	0.71
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	8	0.71
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	13	0.71
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	15	0.71
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	2	0.71
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	3	0.71
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	4	0.71
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	5	0.71
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	6	0.71
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	9	0.71
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	12	0.71
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	16	0.71
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	17	0.71
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	18	0.71
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	20	0.71
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	1	0.71
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	16	0.71
(2,820)	1:77:A:ARG:HG2	1:77:A:ARG:HG3	18	0.71
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	10	0.71
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	15	0.71
(2,742)	1:47:A:VAL:HA	1:47:A:VAL:H	16	0.71
(2,721)	1:21:A:ASP:H	1:21:A:ASP:HB3	8	0.71
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	1	0.71
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	19	0.71
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	19	0.71
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	19	0.71
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	10	0.71
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	10	0.71
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	10	0.71
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	10	0.71
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	10	0.71
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	10	0.71
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	10	0.71
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	10	0.71
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	10	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	11	0.71
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	19	0.71
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	2	0.71
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	15	0.71
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	20	0.71
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	2	0.71
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	4	0.71
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	5	0.71
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	19	0.71
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	10	0.71
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	14	0.71
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	18	0.71
(2,526)	1:16:A:ASN:H	1:16:A:ASN:HA	20	0.71
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	17	0.71
(2,501)	1:75:A:ASN:HB3	1:75:A:ASN:HD21	9	0.71
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	8	0.71
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	11	0.71
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	13	0.71
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	6	0.71
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	2	0.71
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	2	0.71
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	2	0.71
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	10	0.71
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	10	0.71
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	10	0.71
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	19	0.71
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	19	0.71
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	19	0.71
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	15	0.71
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	5	0.71
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	9	0.71
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	13	0.71
(2,453)	1:76:A:ASN:HA	1:76:A:ASN:HB2	14	0.71
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	13	0.71
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	19	0.71
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	5	0.71
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	8	0.71
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	8	0.71
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	8	0.71
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	3	0.71
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	7	0.71
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	18	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	17	0.71
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	17	0.71
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	17	0.71
(2,294)	1:168:A:GLY:HA3	1:168:A:GLY:H	16	0.71
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	8	0.71
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	19	0.71
(2,152)	1:116:A:LEU:HA	1:116:A:LEU:HG	6	0.71
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	14	0.71
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	13	0.71
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	13	0.71
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	13	0.71
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	14	0.71
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	14	0.71
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	14	0.71
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	4	0.71
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	16	0.71
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	17	0.71
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	20	0.71
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	1	0.71
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	15	0.71
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	19	0.71
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	2	0.71
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	4	0.71
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	7	0.71
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	8	0.71
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	9	0.71
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	12	0.71
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	13	0.71
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	15	0.71
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	20	0.71
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	15	0.71
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	8	0.71
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	11	0.71
(2,29)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	20	0.71
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	4	0.71
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	7	0.71
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	16	0.71
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	17	0.71
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	13	0.71
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	13	0.71
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	13	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	6	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	6	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	10	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	10	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	10	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	12	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	12	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	12	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	14	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	14	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	14	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	15	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	15	0.71
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	15	0.71
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	11	0.71
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	11	0.71
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	11	0.71
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	11	0.71
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	11	0.71
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	11	0.71
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	15	0.7
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	2	0.7
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	3	0.7
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	1	0.7
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	5	0.7
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	5	0.7
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	5	0.7
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	1	0.7
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	3	0.7
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	4	0.7
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	13	0.7
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	19	0.7
(4,1393)	1:10:A:LYS:HE3	1:11:A:GLN:H	19	0.7
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	4	0.7
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	4	0.7
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	4	0.7
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	9	0.7
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	9	0.7
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	9	0.7
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	15	0.7
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	15	0.7
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	15	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	19	0.7
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	19	0.7
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	19	0.7
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	11	0.7
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	17	0.7
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	19	0.7
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	1	0.7
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	1	0.7
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	1	0.7
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	14	0.7
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	5	0.7
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	14	0.7
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	4	0.7
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	11	0.7
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	11	0.7
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	11	0.7
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	15	0.7
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	15	0.7
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	15	0.7
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	4	0.7
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	5	0.7
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	6	0.7
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	20	0.7
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	8	0.7
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	15	0.7
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	6	0.7
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	6	0.7
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	6	0.7
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	19	0.7
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	19	0.7
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	19	0.7
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	1	0.7
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	10	0.7
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	12	0.7
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	14	0.7
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	14	0.7
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	1	0.7
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	1	0.7
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	6	0.7
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	6	0.7
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	19	0.7
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	19	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	19	0.7
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	7	0.7
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	12	0.7
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	14	0.7
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	1	0.7
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	7	0.7
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	10	0.7
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	15	0.7
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	16	0.7
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	12	0.7
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	17	0.7
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	18	0.7
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	13	0.7
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	2	0.7
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	4	0.7
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	5	0.7
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	13	0.7
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	17	0.7
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	7	0.7
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	2	0.7
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	2	0.7
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	2	0.7
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	7	0.7
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	7	0.7
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	7	0.7
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	4	0.7
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	9	0.7
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	6	0.7
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	10	0.7
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	1	0.7
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	18	0.7
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	5	0.7
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	2	0.7
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	10	0.7
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	13	0.7
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	14	0.7
(4,529)	1:156:A:ILE:HB	1:157:A:VAL:H	15	0.7
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	13	0.7
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	19	0.7
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	17	0.7
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	10	0.7
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	10	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	10	0.7
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	19	0.7
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	1	0.7
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	13	0.7
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	8	0.7
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	8	0.7
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	8	0.7
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	18	0.7
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	18	0.7
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	18	0.7
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	19	0.7
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	19	0.7
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	19	0.7
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	20	0.7
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	20	0.7
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	20	0.7
(4,132)	1:47:A:VAL:HG11	1:48:A:ILE:H	19	0.7
(4,132)	1:47:A:VAL:HG12	1:48:A:ILE:H	19	0.7
(4,132)	1:47:A:VAL:HG13	1:48:A:ILE:H	19	0.7
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	4	0.7
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	8	0.7
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	5	0.7
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	10	0.7
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	3	0.7
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	3	0.7
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	7	0.7
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	7	0.7
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	8	0.7
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	8	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	1	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	2	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	3	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	4	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	5	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	6	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	7	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	8	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	9	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	10	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	11	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	12	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	13	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	14	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	15	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	16	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	17	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	18	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	19	0.7
(3,3)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	20	0.7
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	8	0.7
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	13	0.7
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	5	0.7
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	6	0.7
(2,3150)	1:133:A:SER:HB2	1:133:A:SER:HA	17	0.7
(2,3143)	1:34:A:PRO:HD3	1:33:A:ASN:H	18	0.7
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	12	0.7
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	12	0.7
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	12	0.7
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	1	0.7
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	1	0.7
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	1	0.7
(2,3012)	1:36:A:LEU:H	1:35:A:SER:HA	15	0.7
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	3	0.7
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	19	0.7
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	5	0.7
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	1	0.7
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	10	0.7
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	12	0.7
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	14	0.7
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	15	0.7
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	16	0.7
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	17	0.7
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	18	0.7
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	15	0.7
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	14	0.7
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	15	0.7
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	16	0.7
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	6	0.7
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	4	0.7
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	5	0.7
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	14	0.7
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	16	0.7
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	2	0.7
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	4	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	5	0.7
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	6	0.7
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	9	0.7
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	10	0.7
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	12	0.7
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	15	0.7
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	16	0.7
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	17	0.7
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	18	0.7
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	5	0.7
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	11	0.7
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	16	0.7
(2,2818)	1:27:A:ALA:H	1:27:A:ALA:HA	9	0.7
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	7	0.7
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	12	0.7
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	17	0.7
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	20	0.7
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	19	0.7
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	4	0.7
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	12	0.7
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	7	0.7
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	13	0.7
(2,2688)	1:36:A:LEU:HB3	1:36:A:LEU:HG	20	0.7
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	2	0.7
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	2	0.7
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	2	0.7
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	16	0.7
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	16	0.7
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	16	0.7
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	17	0.7
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	17	0.7
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	17	0.7
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	13	0.7
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	2	0.7
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	4	0.7
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	6	0.7
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	7	0.7
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	11	0.7
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	16	0.7
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	19	0.7
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	20	0.7
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	10	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	11	0.7
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	2	0.7
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	14	0.7
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	15	0.7
(2,2545)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	1	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	1	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	2	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	3	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	4	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	5	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	6	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	9	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	10	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	11	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	12	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	13	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	14	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	15	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	16	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	17	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	18	0.7
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	19	0.7
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	3	0.7
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	20	0.7
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	8	0.7
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	9	0.7
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	15	0.7
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	2	0.7
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	4	0.7
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	7	0.7
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	8	0.7
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	9	0.7
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	10	0.7
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	12	0.7
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	13	0.7
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	15	0.7
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	16	0.7
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	19	0.7
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	20	0.7
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	6	0.7
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	6	0.7
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	11	0.7
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	15	0.7
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	20	0.7
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	3	0.7
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	2	0.7
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	14	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	1	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	2	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	3	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	4	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	5	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	6	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	8	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	9	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	10	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	11	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	14	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	16	0.7
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	18	0.7
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	20	0.7
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	20	0.7
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	13	0.7
(2,2153)	1:142:A:CYS:HB3	1:143:A:ILE:H	6	0.7
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	15	0.7
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	15	0.7
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	15	0.7
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	17	0.7
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	10	0.7
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	10	0.7
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	16	0.7
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	20	0.7
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	7	0.7
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	8	0.7
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	18	0.7
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	7	0.7
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	4	0.7
(2,1951)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	9	0.7
(2,1951)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	17	0.7
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	14	0.7
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	3	0.7
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	12	0.7
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	16	0.7
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	17	0.7
(2,1699)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	8	0.7
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	4	0.7
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	7	0.7
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	1	0.7
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	1	0.7
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	1	0.7
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	8	0.7
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	1	0.7
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	4	0.7
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	5	0.7
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	7	0.7
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	16	0.7
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	19	0.7
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	7	0.7
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	8	0.7
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	11	0.7
(2,1555)	1:105:A:ARG:HG2	1:105:A:ARG:HA	18	0.7
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	1	0.7
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	15	0.7
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	3	0.7
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	18	0.7
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	15	0.7
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	8	0.7
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	19	0.7
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	13	0.7
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	18	0.7
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	3	0.7
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	4	0.7
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	6	0.7
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	7	0.7
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	8	0.7
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	9	0.7
(2,1119)	1:51:A:LEU:HA	1:51:A:LEU:HG	19	0.7
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	20	0.7
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	18	0.7
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	3	0.7
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	15	0.7
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	17	0.7
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	10	0.7
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	20	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	11	0.7
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	3	0.7
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	13	0.7
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	3	0.7
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	10	0.7
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	10	0.7
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	12	0.7
(2,960)	1:121:A:GLN:HG2	1:121:A:GLN:HB2	18	0.7
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	2	0.7
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	11	0.7
(2,913)	1:75:A:ASN:HB2	1:75:A:ASN:HA	15	0.7
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	1	0.7
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	1	0.7
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	1	0.7
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	6	0.7
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	6	0.7
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	6	0.7
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	13	0.7
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	13	0.7
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	13	0.7
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	16	0.7
(2,858)	1:167:A:ARG:HB2	1:167:A:ARG:HA	19	0.7
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	9	0.7
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	10	0.7
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	8	0.7
(2,851)	1:39:A:GLY:HA3	1:39:A:GLY:H	15	0.7
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	17	0.7
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	1	0.7
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	15	0.7
(2,813)	1:3:A:LYS:HB2	1:3:A:LYS:HG3	19	0.7
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	11	0.7
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	1	0.7
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	6	0.7
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	11	0.7
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	18	0.7
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	10	0.7
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	12	0.7
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	5	0.7
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	14	0.7
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	15	0.7
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	11	0.7
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	18	0.7
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	18	0.7
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	18	0.7
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	18	0.7
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	18	0.7
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	18	0.7
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	18	0.7
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	18	0.7
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	18	0.7
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	9	0.7
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	10	0.7
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	15	0.7
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	11	0.7
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	14	0.7
(2,576)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	3	0.7
(2,576)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	11	0.7
(2,576)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	19	0.7
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	8	0.7
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	9	0.7
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	10	0.7
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	13	0.7
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	14	0.7
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	17	0.7
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	14	0.7
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	14	0.7
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	14	0.7
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	15	0.7
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	15	0.7
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	15	0.7
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	1	0.7
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	12	0.7
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	3	0.7
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	4	0.7
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	5	0.7
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	8	0.7
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	10	0.7
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	16	0.7
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	17	0.7
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	7	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	2	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	2	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	4	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	4	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	4	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	6	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	6	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	6	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	9	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	9	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	9	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	16	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	16	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	16	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	17	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	17	0.7
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	17	0.7
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	1	0.7
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	5	0.7
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	9	0.7
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	10	0.7
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	13	0.7
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	16	0.7
(2,319)	1:38:A:ALA:H	1:38:A:ALA:HA	20	0.7
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	9	0.7
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	16	0.7
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	16	0.7
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	16	0.7
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	2	0.7
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	3	0.7
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	6	0.7
(2,76)	1:23:A:ARG:HD3	1:23:A:ARG:HA	18	0.7
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	15	0.7
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	1	0.7
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	3	0.7
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	5	0.7
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	6	0.7
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	10	0.7
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	11	0.7
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	14	0.7
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	17	0.7
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	19	0.7
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	1	0.7
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	18	0.7
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	9	0.7
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	14	0.7
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	8	0.7
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	12	0.7
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	19	0.7
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	19	0.7
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	19	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	2	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	2	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	2	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	4	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	4	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	4	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	5	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	5	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	5	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	18	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	18	0.7
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	18	0.7
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	18	0.7
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	18	0.7
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	18	0.7
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	8	0.7
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	8	0.7
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	8	0.7
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	8	0.7
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	8	0.7
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	8	0.7
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	19	0.7
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	19	0.7
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	19	0.7
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	19	0.7
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	19	0.7
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	19	0.7
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	7	0.69
(4,1460)	1:147:A:ASN:HD22	1:147:A:ASN:H	2	0.69
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	16	0.69
(4,1419)	1:62:A:ALA:HB1	1:62:A:ALA:H	12	0.69
(4,1419)	1:62:A:ALA:HB2	1:62:A:ALA:H	12	0.69
(4,1419)	1:62:A:ALA:HB3	1:62:A:ALA:H	12	0.69
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	5	0.69
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	11	0.69
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	12	0.69
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	14	0.69
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	15	0.69
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	14	0.69
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	14	0.69
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	14	0.69
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	3	0.69
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	4	0.69
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	16	0.69
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	20	0.69
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	14	0.69
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	14	0.69
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	14	0.69
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	2	0.69
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	17	0.69
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	13	0.69
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	20	0.69
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	4	0.69
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	4	0.69
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	4	0.69
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	17	0.69
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	19	0.69
(4,1197)	1:113:A:ALA:HB1	1:114:A:TYR:H	19	0.69
(4,1197)	1:113:A:ALA:HB2	1:114:A:TYR:H	19	0.69
(4,1197)	1:113:A:ALA:HB3	1:114:A:TYR:H	19	0.69
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	1	0.69
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	6	0.69
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	15	0.69
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	15	0.69
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	15	0.69
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	14	0.69
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	9	0.69
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	10	0.69
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	20	0.69
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	2	0.69
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	11	0.69
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	11	0.69
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	11	0.69
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	17	0.69
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	18	0.69
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	6	0.69
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	18	0.69
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	19	0.69
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	20	0.69
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	10	0.69
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	14	0.69
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	1	0.69
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	4	0.69
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	8	0.69
(4,856)	1:124:A:GLY:HA2	1:125:A:ILE:H	9	0.69
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	2	0.69
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	5	0.69
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	7	0.69
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	8	0.69
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	15	0.69
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	19	0.69
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	3	0.69
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	6	0.69
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	1	0.69
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	9	0.69
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	11	0.69
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	15	0.69
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	20	0.69
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	5	0.69
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	5	0.69
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	5	0.69
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	12	0.69
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	12	0.69
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	12	0.69
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	5	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	1	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	2	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	3	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	4	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	6	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	7	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	8	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	9	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	10	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	12	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	13	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	14	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	15	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	18	0.69
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	19	0.69
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	16	0.69
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	7	0.69
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	10	0.69
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	12	0.69
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	11	0.69
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	20	0.69
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	1	0.69
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	8	0.69
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	9	0.69
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	11	0.69
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	12	0.69
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	1	0.69
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	18	0.69
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	9	0.69
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	12	0.69
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	3	0.69
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	9	0.69
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG21	5	0.69
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG22	5	0.69
(4,454)	1:101:A:ILE:H	1:101:A:ILE:HG23	5	0.69
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	8	0.69
(4,383)	1:120:A:LYS:HD2	1:120:A:LYS:H	11	0.69
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	9	0.69
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	9	0.69
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	9	0.69
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	17	0.69
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	4	0.69
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	10	0.69
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	18	0.69
(4,247)	1:15:A:LEU:HD11	1:16:A:ASN:H	18	0.69
(4,247)	1:15:A:LEU:HD12	1:16:A:ASN:H	18	0.69
(4,247)	1:15:A:LEU:HD13	1:16:A:ASN:H	18	0.69
(4,198)	1:126:A:HIS:HB2	1:127:A:GLY:H	10	0.69
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	20	0.69
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	12	0.69
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	12	0.69
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	12	0.69
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	13	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	13	0.69
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	13	0.69
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	6	0.69
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	6	0.69
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	6	0.69
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	9	0.69
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	9	0.69
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	9	0.69
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	10	0.69
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	10	0.69
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	10	0.69
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	10	0.69
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	12	0.69
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	6	0.69
(4,22)	1:116:A:LEU:HB2	1:116:A:LEU:H	16	0.69
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	10	0.69
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	10	0.69
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	10	0.69
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	10	0.69
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	10	0.69
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	10	0.69
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	6	0.69
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	9	0.69
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	9	0.69
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	9	0.69
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	20	0.69
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	20	0.69
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	20	0.69
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	14	0.69
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	11	0.69
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	11	0.69
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	11	0.69
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	11	0.69
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	3	0.69
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	10	0.69
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	9	0.69
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	20	0.69
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	2	0.69
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	3	0.69
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	7	0.69
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	8	0.69
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	11	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2968)	1:58:A:PRO:HD2	1:58:A:PRO:HA	20	0.69
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	8	0.69
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	17	0.69
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	15	0.69
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	1	0.69
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	7	0.69
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	1	0.69
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	12	0.69
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	13	0.69
(2,2848)	1:79:A:MET:H	1:79:A:MET:HB3	17	0.69
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	1	0.69
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	3	0.69
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	13	0.69
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	14	0.69
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	19	0.69
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	3	0.69
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	4	0.69
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	6	0.69
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	8	0.69
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	9	0.69
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	12	0.69
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	15	0.69
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	18	0.69
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	1	0.69
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	6	0.69
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	9	0.69
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	10	0.69
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	11	0.69
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	18	0.69
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	11	0.69
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	11	0.69
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	11	0.69
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	11	0.69
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	14	0.69
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	17	0.69
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	3	0.69
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	8	0.69
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	9	0.69
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	10	0.69
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	14	0.69
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	18	0.69
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	19	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	12	0.69
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	1	0.69
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	3	0.69
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	4	0.69
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	7	0.69
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	19	0.69
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	20	0.69
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	7	0.69
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	8	0.69
(2,2519)	1:41:A:THR:HA	1:41:A:THR:HB	20	0.69
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	5	0.69
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	16	0.69
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	6	0.69
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	15	0.69
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	19	0.69
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	14	0.69
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	7	0.69
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	1	0.69
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	4	0.69
(2,2341)	1:102:A:ASN:H	1:102:A:ASN:HB2	10	0.69
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	13	0.69
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	19	0.69
(2,2313)	1:167:A:ARG:HB2	1:167:A:ARG:HA	20	0.69
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	1	0.69
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	13	0.69
(2,2207)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	16	0.69
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	11	0.69
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	19	0.69
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	3	0.69
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	2	0.69
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	4	0.69
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	5	0.69
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	12	0.69
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	15	0.69
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	5	0.69
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	10	0.69
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	13	0.69
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	14	0.69
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	15	0.69
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	19	0.69
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	12	0.69
(2,1951)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	15	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	10	0.69
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	2	0.69
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	4	0.69
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	5	0.69
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	7	0.69
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	18	0.69
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	11	0.69
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	10	0.69
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	10	0.69
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	10	0.69
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	14	0.69
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	14	0.69
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	14	0.69
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	2	0.69
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	2	0.69
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	2	0.69
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	9	0.69
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	9	0.69
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	9	0.69
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	10	0.69
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	10	0.69
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	10	0.69
(2,1593)	1:25:A:SER:HA	1:25:A:SER:HB2	7	0.69
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	2	0.69
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	3	0.69
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	6	0.69
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	10	0.69
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	13	0.69
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	15	0.69
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	20	0.69
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	4	0.69
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	9	0.69
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	10	0.69
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	12	0.69
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	13	0.69
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	16	0.69
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	19	0.69
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	12	0.69
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	16	0.69
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	14	0.69
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	1	0.69
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	11	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	12	0.69
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	13	0.69
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	12	0.69
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	14	0.69
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	11	0.69
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	17	0.69
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	5	0.69
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	9	0.69
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	10	0.69
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	14	0.69
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	14	0.69
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	14	0.69
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	19	0.69
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	19	0.69
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	19	0.69
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	7	0.69
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	17	0.69
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	1	0.69
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	2	0.69
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	12	0.69
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	13	0.69
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	14	0.69
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	16	0.69
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	18	0.69
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	6	0.69
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	13	0.69
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	3	0.69
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	3	0.69
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	3	0.69
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	1	0.69
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	9	0.69
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	1	0.69
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	9	0.69
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	10	0.69
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	12	0.69
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	5	0.69
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	6	0.69
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	5	0.69
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	3	0.69
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	3	0.69
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	3	0.69
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	4	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	4	0.69
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	4	0.69
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	5	0.69
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	5	0.69
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	5	0.69
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	16	0.69
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	16	0.69
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	16	0.69
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	8	0.69
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	10	0.69
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	12	0.69
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	6	0.69
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	15	0.69
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	15	0.69
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	18	0.69
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	2	0.69
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	7	0.69
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	9	0.69
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	18	0.69
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	6	0.69
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	1	0.69
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	7	0.69
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	9	0.69
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	11	0.69
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	13	0.69
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	14	0.69
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	16	0.69
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	19	0.69
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	4	0.69
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	12	0.69
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	13	0.69
(2,781)	1:162:A:ARG:HG3	1:162:A:ARG:HD2	15	0.69
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	2	0.69
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	4	0.69
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	9	0.69
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	9	0.69
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	16	0.69
(2,700)	1:3:A:LYS:HB3	1:3:A:LYS:H	6	0.69
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	4	0.69
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	8	0.69
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	15	0.69
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	1	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	2	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	4	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	5	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	6	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	7	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	8	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	9	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	10	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	11	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	12	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	13	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	14	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	15	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	16	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	17	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	18	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	19	0.69
(2,652)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	20	0.69
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	1	0.69
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	2	0.69
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	3	0.69
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	5	0.69
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	14	0.69
(2,618)	1:31:A:GLN:HB3	1:31:A:GLN:H	5	0.69
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	7	0.69
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	16	0.69
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	9	0.69
(2,576)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	9	0.69
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	1	0.69
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	3	0.69
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	11	0.69
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	1	0.69
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	5	0.69
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	10	0.69
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	19	0.69
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	7	0.69
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	17	0.69
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	18	0.69
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	1	0.69
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	6	0.69
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	18	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	3	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	3	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	3	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	10	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	10	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	10	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	11	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	11	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	11	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	12	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	12	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	12	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	14	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	14	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	14	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	18	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	18	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	18	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	19	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	19	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	19	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	20	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	20	0.69
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	20	0.69
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	4	0.69
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	2	0.69
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	4	0.69
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	18	0.69
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	2	0.69
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	2	0.69
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	2	0.69
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	11	0.69
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	11	0.69
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	11	0.69
(2,141)	1:100:A:ILE:HD11	1:101:A:ILE:H	20	0.69
(2,141)	1:100:A:ILE:HD12	1:101:A:ILE:H	20	0.69
(2,141)	1:100:A:ILE:HD13	1:101:A:ILE:H	20	0.69
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	11	0.69
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	18	0.69
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	19	0.69
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	3	0.69
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	9	0.69
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	11	0.69
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	12	0.69
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	16	0.69
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	17	0.69
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	19	0.69
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	1	0.69
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	13	0.69
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	8	0.69
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	16	0.69
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	18	0.69
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	9	0.69
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	13	0.69
(2,56)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	18	0.69
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	1	0.69
(2,17)	1:15:A:LEU:HA	1:15:A:LEU:HB2	9	0.69
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	16	0.69
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	15	0.69
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	15	0.69
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	15	0.69
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	13	0.69
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	13	0.69
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	13	0.69
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	15	0.69
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	15	0.69
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	15	0.69
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	15	0.69
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	15	0.69
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	15	0.69
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	12	0.68
(4,1404)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	15	0.68
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	16	0.68
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	17	0.68
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	11	0.68
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	16	0.68
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	16	0.68
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	16	0.68
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	13	0.68
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	6	0.68
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	6	0.68
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	9	0.68
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	9	0.68
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	9	0.68
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	13	0.68
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	13	0.68
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	13	0.68
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	3	0.68
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	3	0.68
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	3	0.68
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	8	0.68
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	8	0.68
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	8	0.68
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	9	0.68
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	9	0.68
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	9	0.68
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	10	0.68
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	10	0.68
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	10	0.68
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	11	0.68
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	11	0.68
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	11	0.68
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	3	0.68
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	10	0.68
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	10	0.68
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	10	0.68
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	14	0.68
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	7	0.68
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	12	0.68
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	19	0.68
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	19	0.68
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	19	0.68
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	16	0.68
(4,1121)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	12	0.68
(4,1121)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	15	0.68
(4,1121)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	17	0.68
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	20	0.68
(4,1067)	1:37:A:GLN:H	1:37:A:GLN:HG2	8	0.68
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	2	0.68
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	6	0.68
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	18	0.68
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	8	0.68
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	15	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	4	0.68
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	4	0.68
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	12	0.68
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	3	0.68
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	9	0.68
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	14	0.68
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	16	0.68
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	18	0.68
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	8	0.68
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	10	0.68
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	9	0.68
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	9	0.68
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	9	0.68
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	9	0.68
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	15	0.68
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	15	0.68
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	15	0.68
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	5	0.68
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	16	0.68
(4,789)	1:167:A:ARG:HG2	1:167:A:ARG:H	12	0.68
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	5	0.68
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	11	0.68
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	16	0.68
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	17	0.68
(4,787)	1:143:A:ILE:H	1:143:A:ILE:HA	20	0.68
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	8	0.68
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	9	0.68
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	14	0.68
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	16	0.68
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	3	0.68
(4,528)	1:23:A:ARG:HG3	1:24:A:ILE:H	10	0.68
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	16	0.68
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	20	0.68
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	2	0.68
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	1	0.68
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	8	0.68
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	11	0.68
(4,462)	1:144:A:ARG:HD2	1:145:A:MET:H	14	0.68
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	4	0.68
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	4	0.68
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	4	0.68
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	6	0.68
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	6	0.68
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	6	0.68
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	8	0.68
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	8	0.68
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	8	0.68
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	9	0.68
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	9	0.68
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	9	0.68
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	1	0.68
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	6	0.68
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	7	0.68
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	8	0.68
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	9	0.68
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	11	0.68
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	15	0.68
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	16	0.68
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	18	0.68
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	15	0.68
(4,243)	1:3:A:LYS:H	1:2:A:ARG:HG3	9	0.68
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	12	0.68
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	1	0.68
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	1	0.68
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	1	0.68
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	18	0.68
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	18	0.68
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	18	0.68
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	7	0.68
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	7	0.68
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	7	0.68
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	15	0.68
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	15	0.68
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	15	0.68
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	16	0.68
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	8	0.68
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	13	0.68
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	18	0.68
(4,9)	1:98:A:PHE:HB3	1:99:A:TYR:H	10	0.68
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	11	0.68
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	11	0.68
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	10	0.68
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	10	0.68
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	10	0.68
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	10	0.68
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	10	0.68
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	10	0.68
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	13	0.68
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	18	0.68
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	3	0.68
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	3	0.68
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	3	0.68
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	4	0.68
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	4	0.68
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	14	0.68
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	5	0.68
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	13	0.68
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	3	0.68
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	10	0.68
(2,3011)	1:121:A:GLN:HG3	1:121:A:GLN:HE22	6	0.68
(2,3005)	1:29:A:LEU:HB3	1:30:A:LEU:H	13	0.68
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	2	0.68
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	4	0.68
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	6	0.68
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	7	0.68
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	12	0.68
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	15	0.68
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	17	0.68
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	7	0.68
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	4	0.68
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	11	0.68
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	20	0.68
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	14	0.68
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	18	0.68
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	18	0.68
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	10	0.68
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	7	0.68
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	11	0.68
(2,2844)	1:44:A:GLN:H	1:44:A:GLN:HA	20	0.68
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	1	0.68
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	2	0.68
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	7	0.68
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	10	0.68
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	13	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	14	0.68
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	19	0.68
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	15	0.68
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	5	0.68
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	14	0.68
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	4	0.68
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	8	0.68
(2,2662)	1:166:A:ASN:HA	1:166:A:ASN:HB3	12	0.68
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	3	0.68
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	3	0.68
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	3	0.68
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	1	0.68
(2,2614)	1:79:A:MET:HA	1:80:A:LYS:H	15	0.68
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	8	0.68
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	10	0.68
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	11	0.68
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	13	0.68
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	16	0.68
(2,2570)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	18	0.68
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	7	0.68
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	16	0.68
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	2	0.68
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	3	0.68
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	17	0.68
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	10	0.68
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	20	0.68
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	14	0.68
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	5	0.68
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	8	0.68
(2,2329)	1:167:A:ARG:HD3	1:167:A:ARG:HG2	17	0.68
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	2	0.68
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	3	0.68
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	3	0.68
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	3	0.68
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	19	0.68
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	19	0.68
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	19	0.68
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	5	0.68
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	8	0.68
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	5	0.68
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	16	0.68
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	9	0.68
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	2	0.68
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	5	0.68
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	6	0.68
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	8	0.68
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	9	0.68
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	10	0.68
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	13	0.68
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	16	0.68
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	17	0.68
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	16	0.68
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	20	0.68
(2,2007)	1:111:A:PHE:HB3	1:112:A:GLY:H	4	0.68
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	9	0.68
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	12	0.68
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	18	0.68
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	11	0.68
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	1	0.68
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	2	0.68
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	3	0.68
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	4	0.68
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	11	0.68
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	12	0.68
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	16	0.68
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	18	0.68
(2,1951)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	6	0.68
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	17	0.68
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	8	0.68
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	11	0.68
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	20	0.68
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	20	0.68
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	20	0.68
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	20	0.68
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	2	0.68
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	19	0.68
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	17	0.68
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	17	0.68
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	17	0.68
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	12	0.68
(2,1584)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	18	0.68
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	3	0.68
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	14	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	12	0.68
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	19	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	1	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	2	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	3	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	5	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	6	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	8	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	9	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	10	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	14	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	15	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	17	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	18	0.68
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	19	0.68
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	10	0.68
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	1	0.68
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	2	0.68
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	5	0.68
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	9	0.68
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	12	0.68
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	18	0.68
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	10	0.68
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	15	0.68
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	1	0.68
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	2	0.68
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	3	0.68
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	4	0.68
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	5	0.68
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	7	0.68
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	8	0.68
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	9	0.68
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	15	0.68
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	16	0.68
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	17	0.68
(2,1417)	1:15:A:LEU:HA	1:15:A:LEU:HB3	19	0.68
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	5	0.68
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	8	0.68
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	1	0.68
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	10	0.68
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	19	0.68
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1355)	1:79:A:MET:HG3	1:79:A:MET:HA	12	0.68
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	14	0.68
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	3	0.68
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	3	0.68
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	3	0.68
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	12	0.68
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	12	0.68
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	12	0.68
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	12	0.68
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	10	0.68
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	11	0.68
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	17	0.68
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	14	0.68
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	6	0.68
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	12	0.68
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	14	0.68
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	17	0.68
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	19	0.68
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	6	0.68
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	18	0.68
(2,1068)	1:122:A:HIS:HB2	1:122:A:HIS:HD2	11	0.68
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	6	0.68
(2,938)	1:136:A:LYS:HG2	1:136:A:LYS:HD3	16	0.68
(2,901)	1:74:A:LEU:HD11	1:74:A:LEU:HA	19	0.68
(2,901)	1:74:A:LEU:HD12	1:74:A:LEU:HA	19	0.68
(2,901)	1:74:A:LEU:HD13	1:74:A:LEU:HA	19	0.68
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	4	0.68
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	5	0.68
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	13	0.68
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	19	0.68
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	1	0.68
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	7	0.68
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	12	0.68
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	14	0.68
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	16	0.68
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	18	0.68
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	20	0.68
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	6	0.68
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	10	0.68
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	2	0.68
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	7	0.68
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	3	0.68
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	4	0.68
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	10	0.68
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	12	0.68
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	15	0.68
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	20	0.68
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	2	0.68
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	6	0.68
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	7	0.68
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	9	0.68
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	10	0.68
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	11	0.68
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	13	0.68
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	17	0.68
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	19	0.68
(2,832)	1:104:A:GLN:HG2	1:104:A:GLN:HA	18	0.68
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	14	0.68
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	14	0.68
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	14	0.68
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	1	0.68
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	6	0.68
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	10	0.68
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	13	0.68
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	17	0.68
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	18	0.68
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	5	0.68
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	7	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	1	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	2	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	3	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	4	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	5	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	6	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	7	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	8	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	10	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	11	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	12	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	13	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	14	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	15	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	18	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	19	0.68
(2,738)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	20	0.68
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	2	0.68
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	7	0.68
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	9	0.68
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	11	0.68
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	13	0.68
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	16	0.68
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	18	0.68
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	19	0.68
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	9	0.68
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	14	0.68
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	14	0.68
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	14	0.68
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	14	0.68
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	14	0.68
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	14	0.68
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	14	0.68
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	14	0.68
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	14	0.68
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	6	0.68
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	8	0.68
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	13	0.68
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	17	0.68
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	8	0.68
(2,576)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	2	0.68
(2,576)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	7	0.68
(2,576)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	12	0.68
(2,562)	1:103:A:ARG:HB3	1:103:A:ARG:H	18	0.68
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	1	0.68
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	3	0.68
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	5	0.68
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	10	0.68
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	11	0.68
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	14	0.68
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	15	0.68
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	18	0.68
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	19	0.68
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	20	0.68
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	6	0.68
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,490)	1:11:A:GLN:HG2	1:12:A:GLY:H	17	0.68
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	19	0.68
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	11	0.68
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	11	0.68
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	11	0.68
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	2	0.68
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	6	0.68
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	8	0.68
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	10	0.68
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	12	0.68
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	16	0.68
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	6	0.68
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	9	0.68
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	14	0.68
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	13	0.68
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	17	0.68
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	1	0.68
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	1	0.68
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	1	0.68
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	5	0.68
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	5	0.68
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	5	0.68
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	7	0.68
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	7	0.68
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	7	0.68
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD11	13	0.68
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD12	13	0.68
(2,405)	1:36:A:LEU:HA	1:36:A:LEU:HD13	13	0.68
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	15	0.68
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	13	0.68
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	20	0.68
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	3	0.68
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	5	0.68
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	16	0.68
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	19	0.68
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	6	0.68
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	6	0.68
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	13	0.68
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	2	0.68
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	3	0.68
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	7	0.68
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	14	0.68
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	4	0.68
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	6	0.68
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	7	0.68
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	10	0.68
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	13	0.68
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	14	0.68
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	18	0.68
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	20	0.68
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	5	0.68
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	6	0.68
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	7	0.68
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	8	0.68
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	14	0.68
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	15	0.68
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	16	0.68
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	17	0.68
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	18	0.68
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	19	0.68
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	1	0.68
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	3	0.68
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	6	0.68
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	10	0.68
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	11	0.68
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	12	0.68
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	15	0.68
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	17	0.68
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	18	0.68
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	4	0.68
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	6	0.68
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	9	0.68
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	14	0.68
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	17	0.68
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	10	0.68
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	10	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	11	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	11	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	11	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	16	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	16	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	16	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	17	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	17	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	19	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	19	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	19	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD21	20	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD22	20	0.68
(1,32)	1:142:A:CYS:HB3	1:90:A:LEU:HD23	20	0.68
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	11	0.68
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	6	0.68
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	6	0.68
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	6	0.68
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	2	0.68
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	2	0.68
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	2	0.68
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	2	0.68
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	2	0.68
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	2	0.68
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	10	0.68
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	10	0.68
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	10	0.68
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	10	0.68
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	10	0.68
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	10	0.68
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	9	0.67
(4,1460)	1:147:A:ASN:HD22	1:147:A:ASN:H	15	0.67
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	4	0.67
(4,1415)	1:3:A:LYS:HG3	1:3:A:LYS:H	10	0.67
(4,1404)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	2	0.67
(4,1350)	1:90:A:LEU:HD21	1:90:A:LEU:H	11	0.67
(4,1350)	1:90:A:LEU:HD22	1:90:A:LEU:H	11	0.67
(4,1350)	1:90:A:LEU:HD23	1:90:A:LEU:H	11	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	2	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	2	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	2	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	3	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	3	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	3	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	5	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	5	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	5	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	7	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	7	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	7	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	10	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	10	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	10	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	11	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	11	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	11	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	12	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	12	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	12	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	14	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	14	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	14	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	15	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	15	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	15	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	18	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	18	0.67
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	18	0.67
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	1	0.67
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	1	0.67
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	1	0.67
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	16	0.67
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	19	0.67
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	1	0.67
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	1	0.67
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	1	0.67
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	13	0.67
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	13	0.67
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	13	0.67
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	2	0.67
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	2	0.67
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	2	0.67
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	5	0.67
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	5	0.67
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	5	0.67
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	8	0.67
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	8	0.67
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	8	0.67
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	17	0.67
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	17	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	17	0.67
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	2	0.67
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	3	0.67
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	4	0.67
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	5	0.67
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	7	0.67
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	14	0.67
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	15	0.67
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	17	0.67
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	19	0.67
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	20	0.67
(4,1121)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	14	0.67
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	13	0.67
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	3	0.67
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	7	0.67
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	13	0.67
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	15	0.67
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	16	0.67
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	17	0.67
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	2	0.67
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	20	0.67
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	20	0.67
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	18	0.67
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	12	0.67
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	13	0.67
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	9	0.67
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	1	0.67
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	4	0.67
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	6	0.67
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	12	0.67
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	15	0.67
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	4	0.67
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	4	0.67
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	4	0.67
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	14	0.67
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	13	0.67
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	15	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	1	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	2	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	3	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	4	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	6	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	7	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	8	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	9	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	10	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	11	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	12	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	13	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	14	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	15	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	16	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	17	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	18	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	19	0.67
(4,675)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	20	0.67
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	4	0.67
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	6	0.67
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	12	0.67
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	6	0.67
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	17	0.67
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	5	0.67
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	11	0.67
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	12	0.67
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	4	0.67
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	18	0.67
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	7	0.67
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	14	0.67
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	19	0.67
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	2	0.67
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	2	0.67
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	2	0.67
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	14	0.67
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	14	0.67
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	14	0.67
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	2	0.67
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	5	0.67
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	12	0.67
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	13	0.67
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	14	0.67
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	17	0.67
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	18	0.67
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	19	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	20	0.67
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	10	0.67
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	13	0.67
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	13	0.67
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	5	0.67
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	13	0.67
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	17	0.67
(4,84)	1:90:A:LEU:H	1:91:A:THR:H	2	0.67
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	3	0.67
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	9	0.67
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	20	0.67
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	11	0.67
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	4	0.67
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	4	0.67
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	4	0.67
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	4	0.67
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	4	0.67
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	4	0.67
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	1	0.67
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	1	0.67
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	15	0.67
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	15	0.67
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	13	0.67
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	20	0.67
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	14	0.67
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	16	0.67
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	18	0.67
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	18	0.67
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	18	0.67
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	3	0.67
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	3	0.67
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	3	0.67
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	13	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	1	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	2	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	3	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	4	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	5	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	6	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	7	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	8	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	9	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	10	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	11	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	12	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	13	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	14	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	15	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	16	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	17	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	18	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	19	0.67
(2,3028)	1:37:A:GLN:HB2	1:37:A:GLN:HB3	20	0.67
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	1	0.67
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	16	0.67
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	20	0.67
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	6	0.67
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	1	0.67
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	5	0.67
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	9	0.67
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	13	0.67
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	16	0.67
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	20	0.67
(2,3011)	1:121:A:GLN:HG3	1:121:A:GLN:HE22	10	0.67
(2,3011)	1:121:A:GLN:HG3	1:121:A:GLN:HE22	12	0.67
(2,3011)	1:121:A:GLN:HG3	1:121:A:GLN:HE22	17	0.67
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	5	0.67
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	8	0.67
(2,3000)	1:129:A:ASN:HB3	1:129:A:ASN:HA	14	0.67
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	3	0.67
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	3	0.67
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	3	0.67
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	12	0.67
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	16	0.67
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	1	0.67
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	16	0.67
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	7	0.67
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	7	0.67
(2,2836)	1:90:A:LEU:HG	1:90:A:LEU:HB2	17	0.67
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	4	0.67
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	15	0.67
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	19	0.67
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	19	0.67
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	19	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	2	0.67
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	18	0.67
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	18	0.67
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	18	0.67
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	12	0.67
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	6	0.67
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	19	0.67
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	10	0.67
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	5	0.67
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	8	0.67
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	12	0.67
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	10	0.67
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	11	0.67
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	2	0.67
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	8	0.67
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	9	0.67
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	17	0.67
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	18	0.67
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	11	0.67
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	20	0.67
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	20	0.67
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	20	0.67
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	15	0.67
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	1	0.67
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	2	0.67
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	4	0.67
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	14	0.67
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	18	0.67
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	19	0.67
(2,2005)	1:79:A:MET:HG3	1:79:A:MET:HB3	12	0.67
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	6	0.67
(2,1986)	1:84:A:ILE:H	1:83:A:PRO:HB3	14	0.67
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	6	0.67
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	9	0.67
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	17	0.67
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	20	0.67
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	6	0.67
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	7	0.67
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	1	0.67
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	1	0.67
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	1	0.67
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	11	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	1	0.67
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	3	0.67
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	6	0.67
(2,1802)	1:158:A:PRO:HG2	1:158:A:PRO:HA	15	0.67
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	17	0.67
(2,1648)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	18	0.67
(2,1648)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	18	0.67
(2,1648)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	18	0.67
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	11	0.67
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	8	0.67
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	8	0.67
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	8	0.67
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	19	0.67
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	19	0.67
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	19	0.67
(2,1589)	1:75:A:ASN:HB3	1:75:A:ASN:HA	9	0.67
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	11	0.67
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	17	0.67
(2,1549)	1:89:A:ILE:H	1:88:A:LYS:HB2	20	0.67
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	4	0.67
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	7	0.67
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	11	0.67
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	13	0.67
(2,1495)	1:132:A:ALA:H	1:132:A:ALA:HA	20	0.67
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	10	0.67
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	20	0.67
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	3	0.67
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	7	0.67
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	8	0.67
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	10	0.67
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	11	0.67
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	13	0.67
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	15	0.67
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	20	0.67
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	7	0.67
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	13	0.67
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	15	0.67
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	4	0.67
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	13	0.67
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	15	0.67
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	18	0.67
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	11	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	9	0.67
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	12	0.67
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	20	0.67
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	6	0.67
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	6	0.67
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	6	0.67
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	15	0.67
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	15	0.67
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	15	0.67
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	4	0.67
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	11	0.67
(2,1223)	1:152:A:GLU:HA	1:152:A:GLU:HB3	20	0.67
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	5	0.67
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	4	0.67
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	7	0.67
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	13	0.67
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	15	0.67
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	16	0.67
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	11	0.67
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	20	0.67
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	11	0.67
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	19	0.67
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	19	0.67
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	11	0.67
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	7	0.67
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	2	0.67
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	5	0.67
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	8	0.67
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	9	0.67
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	10	0.67
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	11	0.67
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	19	0.67
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	4	0.67
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	5	0.67
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	12	0.67
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	18	0.67
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	12	0.67
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	16	0.67
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	17	0.67
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	5	0.67
(2,845)	1:92:A:GLN:H	1:92:A:GLN:HB3	8	0.67
(2,844)	1:80:A:LYS:HD2	1:80:A:LYS:HE2	14	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	3	0.67
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	7	0.67
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	8	0.67
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	12	0.67
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	14	0.67
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	15	0.67
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	19	0.67
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	11	0.67
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	13	0.67
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	6	0.67
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	17	0.67
(2,682)	1:149:A:ASP:H	1:149:A:ASP:HB3	20	0.67
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	9	0.67
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	11	0.67
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	12	0.67
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	18	0.67
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	5	0.67
(2,646)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	11	0.67
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	9	0.67
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	19	0.67
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	4	0.67
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	5	0.67
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	14	0.67
(2,576)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	16	0.67
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	2	0.67
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	4	0.67
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	6	0.67
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	7	0.67
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	8	0.67
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	9	0.67
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	12	0.67
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	13	0.67
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	16	0.67
(2,523)	1:19:A:ALA:HA	1:19:A:ALA:H	17	0.67
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	4	0.67
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	20	0.67
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	7	0.67
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	15	0.67
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	20	0.67
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	2	0.67
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	4	0.67
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	14	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,407)	1:120:A:LYS:HG3	1:120:A:LYS:HA	19	0.67
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	9	0.67
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	16	0.67
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	2	0.67
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	3	0.67
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	16	0.67
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	19	0.67
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	19	0.67
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	11	0.67
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	4	0.67
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	4	0.67
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	4	0.67
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	5	0.67
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	5	0.67
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	5	0.67
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	5	0.67
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	11	0.67
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	16	0.67
(2,232)	1:60:A:HIS:HB2	1:61:A:ILE:H	7	0.67
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	6	0.67
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	3	0.67
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	16	0.67
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	6	0.67
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	9	0.67
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	13	0.67
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	15	0.67
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	2	0.67
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	4	0.67
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	9	0.67
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	10	0.67
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	11	0.67
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	12	0.67
(2,106)	1:148:A:LYS:HG2	1:148:A:LYS:HB2	20	0.67
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	4	0.67
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	8	0.67
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	9	0.67
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	14	0.67
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	16	0.67
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	15	0.67
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	1	0.67
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	7	0.67
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	13	0.67
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	5	0.67
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	5	0.67
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	5	0.67
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	6	0.67
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	6	0.67
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	6	0.67
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	6	0.67
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	6	0.67
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	6	0.67
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	6	0.66
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	13	0.66
(4,1486)	1:140:A:LYS:HD2	1:141:A:GLY:H	15	0.66
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	6	0.66
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	9	0.66
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	10	0.66
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	14	0.66
(4,1404)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	11	0.66
(4,1404)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	20	0.66
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	1	0.66
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	1	0.66
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	1	0.66
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	8	0.66
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	8	0.66
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	8	0.66
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	4	0.66
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	4	0.66
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	4	0.66
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	6	0.66
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	6	0.66
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	6	0.66
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	20	0.66
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	7	0.66
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	16	0.66
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	16	0.66
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	6	0.66
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	6	0.66
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	6	0.66
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	7	0.66
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	7	0.66
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	7	0.66
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	4	0.66
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	4	0.66
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	4	0.66
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	7	0.66
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	7	0.66
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	7	0.66
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	1	0.66
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	6	0.66
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	8	0.66
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	9	0.66
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	10	0.66
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	11	0.66
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	12	0.66
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	13	0.66
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	16	0.66
(4,1129)	1:129:A:ASN:HD21	1:129:A:ASN:HD22	18	0.66
(4,1121)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	3	0.66
(4,1121)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	8	0.66
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	4	0.66
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	5	0.66
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	12	0.66
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	19	0.66
(4,1059)	1:128:A:THR:HG21	1:128:A:THR:H	17	0.66
(4,1059)	1:128:A:THR:HG22	1:128:A:THR:H	17	0.66
(4,1059)	1:128:A:THR:HG23	1:128:A:THR:H	17	0.66
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	15	0.66
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	15	0.66
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	15	0.66
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	4	0.66
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	5	0.66
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	2	0.66
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	8	0.66
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	11	0.66
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	16	0.66
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	11	0.66
(4,960)	1:116:A:LEU:HD11	1:125:A:ILE:H	6	0.66
(4,960)	1:116:A:LEU:HD12	1:125:A:ILE:H	6	0.66
(4,960)	1:116:A:LEU:HD13	1:125:A:ILE:H	6	0.66
(4,870)	1:166:A:ASN:HB3	1:166:A:ASN:HD21	17	0.66
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	13	0.66
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	11	0.66
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	10	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	11	0.66
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	17	0.66
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	11	0.66
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	5	0.66
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	8	0.66
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	1	0.66
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	14	0.66
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	1	0.66
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	19	0.66
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	18	0.66
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	14	0.66
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	7	0.66
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	1	0.66
(4,596)	1:106:A:ASN:HB2	1:106:A:ASN:HD21	18	0.66
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	9	0.66
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	9	0.66
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	3	0.66
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	10	0.66
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	13	0.66
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	14	0.66
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	4	0.66
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	17	0.66
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	12	0.66
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	12	0.66
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	12	0.66
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	17	0.66
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	17	0.66
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	17	0.66
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	19	0.66
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	19	0.66
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	19	0.66
(4,292)	1:135:A:GLY:HA2	1:135:A:GLY:H	3	0.66
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	11	0.66
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	16	0.66
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	14	0.66
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	20	0.66
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	10	0.66
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	10	0.66
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	10	0.66
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	15	0.66
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	15	0.66
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	15	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	1	0.66
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	8	0.66
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	11	0.66
(4,5)	1:6:A:THR:H	1:47:A:VAL:HG11	1	0.66
(4,5)	1:6:A:THR:H	1:47:A:VAL:HG12	1	0.66
(4,5)	1:6:A:THR:H	1:47:A:VAL:HG13	1	0.66
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	6	0.66
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	6	0.66
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	9	0.66
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	9	0.66
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	6	0.66
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	6	0.66
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	6	0.66
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	6	0.66
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	6	0.66
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	6	0.66
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	7	0.66
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	7	0.66
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	7	0.66
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	7	0.66
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	7	0.66
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	7	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	1	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	2	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	3	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	4	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	6	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	7	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	10	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	11	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	12	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	14	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	15	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	16	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	17	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	18	0.66
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	19	0.66
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	15	0.66
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	19	0.66
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	1	0.66
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	20	0.66
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	5	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	10	0.66
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	19	0.66
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	16	0.66
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	9	0.66
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	9	0.66
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	12	0.66
(2,3011)	1:121:A:GLN:HG3	1:121:A:GLN:HE22	18	0.66
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	3	0.66
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	13	0.66
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	4	0.66
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	5	0.66
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	6	0.66
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	11	0.66
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	17	0.66
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	18	0.66
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	20	0.66
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	4	0.66
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	7	0.66
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	4	0.66
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	14	0.66
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	3	0.66
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	7	0.66
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	15	0.66
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	7	0.66
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	7	0.66
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	7	0.66
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	6	0.66
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	10	0.66
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	14	0.66
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	18	0.66
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	20	0.66
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	14	0.66
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	1	0.66
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	14	0.66
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	16	0.66
(2,2406)	1:153:A:LEU:HB3	1:153:A:LEU:H	14	0.66
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	1	0.66
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	3	0.66
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	4	0.66
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	5	0.66
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	6	0.66
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	12	0.66
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	13	0.66
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	14	0.66
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	15	0.66
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	16	0.66
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	19	0.66
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	1	0.66
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	9	0.66
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	10	0.66
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	13	0.66
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	5	0.66
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	10	0.66
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	2	0.66
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	2	0.66
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	2	0.66
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	16	0.66
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	16	0.66
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	16	0.66
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	17	0.66
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	17	0.66
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	17	0.66
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	3	0.66
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	11	0.66
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	6	0.66
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	7	0.66
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	11	0.66
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	12	0.66
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	17	0.66
(2,2007)	1:111:A:PHE:HB3	1:112:A:GLY:H	20	0.66
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	7	0.66
(2,1977)	1:5:A:LEU:HB3	1:5:A:LEU:HG	8	0.66
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	15	0.66
(2,1951)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	3	0.66
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	6	0.66
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	12	0.66
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	19	0.66
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	9	0.66
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	17	0.66
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	19	0.66
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	4	0.66
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	15	0.66
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	5	0.66
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	1	0.66
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	11	0.66
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	15	0.66
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	4	0.66
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	6	0.66
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	19	0.66
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	4	0.66
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	15	0.66
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	17	0.66
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	19	0.66
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	17	0.66
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	2	0.66
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	6	0.66
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	7	0.66
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	8	0.66
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	9	0.66
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	12	0.66
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	16	0.66
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	20	0.66
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	14	0.66
(2,1338)	1:130:A:ASN:HB3	1:130:A:ASN:H	7	0.66
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	2	0.66
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	2	0.66
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	2	0.66
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	5	0.66
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	5	0.66
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	5	0.66
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	9	0.66
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	9	0.66
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	9	0.66
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	10	0.66
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	10	0.66
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	10	0.66
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	16	0.66
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	16	0.66
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	16	0.66
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	17	0.66
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	17	0.66
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	17	0.66
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	18	0.66
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	18	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	18	0.66
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	9	0.66
(2,1213)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	9	0.66
(2,1213)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	17	0.66
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	12	0.66
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	11	0.66
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	13	0.66
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	13	0.66
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	13	0.66
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	1	0.66
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	5	0.66
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	6	0.66
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	8	0.66
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	9	0.66
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	10	0.66
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	11	0.66
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	12	0.66
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	1	0.66
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	8	0.66
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	5	0.66
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	20	0.66
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	19	0.66
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	7	0.66
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	13	0.66
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	9	0.66
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	14	0.66
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	3	0.66
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	4	0.66
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	13	0.66
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	19	0.66
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	9	0.66
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	9	0.66
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	9	0.66
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	11	0.66
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	16	0.66
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	20	0.66
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	20	0.66
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	4	0.66
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	12	0.66
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	18	0.66
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	19	0.66
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	5	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	20	0.66
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	15	0.66
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	10	0.66
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	10	0.66
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	10	0.66
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	16	0.66
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	16	0.66
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	16	0.66
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	16	0.66
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	2	0.66
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	12	0.66
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	17	0.66
(2,646)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	4	0.66
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	6	0.66
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	6	0.66
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	6	0.66
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	6	0.66
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	6	0.66
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	6	0.66
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	6	0.66
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	6	0.66
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	6	0.66
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	10	0.66
(2,576)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	5	0.66
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	15	0.66
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	1	0.66
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	1	0.66
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	1	0.66
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	3	0.66
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	3	0.66
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	3	0.66
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	12	0.66
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	12	0.66
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	12	0.66
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	4	0.66
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	4	0.66
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	8	0.66
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	2	0.66
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	9	0.66
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	8	0.66
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	9	0.66
(2,376)	1:30:A:LEU:HB3	1:30:A:LEU:HA	8	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	7	0.66
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	9	0.66
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	18	0.66
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	4	0.66
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	9	0.66
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	10	0.66
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	14	0.66
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	18	0.66
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	15	0.66
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	13	0.66
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	20	0.66
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	1	0.66
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	5	0.66
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	10	0.66
(2,123)	1:109:A:GLY:HA2	1:109:A:GLY:H	12	0.66
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	2	0.66
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	5	0.66
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	7	0.66
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	13	0.66
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	19	0.66
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	2	0.66
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	5	0.66
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	10	0.66
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	13	0.66
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	6	0.66
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	15	0.66
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	16	0.66
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	17	0.66
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	2	0.66
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	5	0.66
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	16	0.66
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	6	0.66
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	6	0.66
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	6	0.66
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	4	0.66
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	4	0.66
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	4	0.66
(1,20)	1:123:A:TYR:HE1	1:122:A:HIS:HB3	17	0.66
(1,20)	1:123:A:TYR:HE2	1:122:A:HIS:HB3	17	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	1	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	2	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	5	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	7	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	9	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	10	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	13	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	14	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	15	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	17	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	19	0.66
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	20	0.66
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	8	0.65
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	11	0.65
(4,1492)	1:2:A:ARG:HB3	1:3:A:LYS:H	19	0.65
(4,1404)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	14	0.65
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	17	0.65
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	16	0.65
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	16	0.65
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	16	0.65
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	8	0.65
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	8	0.65
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	8	0.65
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	5	0.65
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	6	0.65
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	16	0.65
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	16	0.65
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	16	0.65
(4,1121)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	11	0.65
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	9	0.65
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	6	0.65
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	1	0.65
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	8	0.65
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	18	0.65
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	18	0.65
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	9	0.65
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	17	0.65
(4,964)	1:136:A:LYS:HD2	1:137:A:ALA:H	11	0.65
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	2	0.65
(4,837)	1:24:A:ILE:HB	1:25:A:SER:H	20	0.65
(4,831)	1:156:A:ILE:HG13	1:156:A:ILE:H	15	0.65
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	12	0.65
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	16	0.65
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	8	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	8	0.65
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	8	0.65
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	14	0.65
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	3	0.65
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	6	0.65
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	17	0.65
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	5	0.65
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	8	0.65
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	20	0.65
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	5	0.65
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	5	0.65
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	13	0.65
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	5	0.65
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	6	0.65
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	11	0.65
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	20	0.65
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	20	0.65
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	15	0.65
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	12	0.65
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	15	0.65
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	11	0.65
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	5	0.65
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	5	0.65
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	5	0.65
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	11	0.65
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	11	0.65
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	11	0.65
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	13	0.65
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	13	0.65
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	13	0.65
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	8	0.65
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	8	0.65
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	8	0.65
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	16	0.65
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	4	0.65
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	5	0.65
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	6	0.65
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	7	0.65
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	8	0.65
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	10	0.65
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	14	0.65
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	15	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	17	0.65
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	18	0.65
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	19	0.65
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	20	0.65
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	4	0.65
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	17	0.65
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	20	0.65
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	19	0.65
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	9	0.65
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	9	0.65
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	9	0.65
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	17	0.65
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	17	0.65
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	17	0.65
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	14	0.65
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	14	0.65
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	14	0.65
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	4	0.65
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	18	0.65
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD1	17	0.65
(3,74)	1:7:A:TYR:HA	1:7:A:TYR:HD2	17	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	2	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	2	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	2	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	2	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	3	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	3	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	3	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	3	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	4	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	4	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	4	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	4	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	5	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	5	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	5	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	5	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	6	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	6	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	6	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	6	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	8	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	8	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	8	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	8	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	9	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	9	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	9	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	9	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	10	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	10	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	10	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	10	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	12	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	12	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	12	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	12	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	14	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	14	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	14	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	14	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	15	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	15	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	15	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	15	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	17	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	17	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	17	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	17	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	18	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	18	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	18	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	18	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	19	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	19	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	19	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	19	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	20	0.65
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	20	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	20	0.65
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	20	0.65
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	5	0.65
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	8	0.65
(2,3206)	1:28:A:ALA:HA	1:28:A:ALA:H	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	1	0.65
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	10	0.65
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	16	0.65
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	17	0.65
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	20	0.65
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	19	0.65
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	19	0.65
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	19	0.65
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	1	0.65
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	15	0.65
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	16	0.65
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	1	0.65
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	18	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	1	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	2	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	3	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	4	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	5	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	7	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	8	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	9	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	10	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	12	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	13	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	14	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	15	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	16	0.65
(2,2924)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	19	0.65
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	12	0.65
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	2	0.65
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	10	0.65
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	20	0.65
(2,2790)	1:8:A:GLN:HG2	1:8:A:GLN:HA	13	0.65
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	8	0.65
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	8	0.65
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	8	0.65
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	11	0.65
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	13	0.65
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	13	0.65
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	13	0.65
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	20	0.65
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	20	0.65
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	1	0.65
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	10	0.65
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	10	0.65
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	10	0.65
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	13	0.65
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	2	0.65
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	3	0.65
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	9	0.65
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	10	0.65
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	13	0.65
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	14	0.65
(2,2390)	1:52:A:PRO:HA	1:52:A:PRO:HD2	11	0.65
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	19	0.65
(2,2266)	1:29:A:LEU:HG	1:29:A:LEU:H	13	0.65
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	8	0.65
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	3	0.65
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	17	0.65
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	16	0.65
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	20	0.65
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	5	0.65
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	5	0.65
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	5	0.65
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	9	0.65
(2,2035)	1:11:A:GLN:HA	1:11:A:GLN:HB3	7	0.65
(2,2014)	1:156:A:ILE:HG13	1:156:A:ILE:HA	20	0.65
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	4	0.65
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	10	0.65
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	14	0.65
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	15	0.65
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	19	0.65
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	14	0.65
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	1	0.65
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	19	0.65
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	1	0.65
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	3	0.65
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	6	0.65
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	15	0.65
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	11	0.65
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	18	0.65
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	7	0.65
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	17	0.65
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	18	0.65
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	4	0.65
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	5	0.65
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	8	0.65
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	19	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	2	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	3	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	4	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	6	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	8	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	10	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	12	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	13	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	15	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	17	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	19	0.65
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	20	0.65
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	6	0.65
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	6	0.65
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	6	0.65
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	7	0.65
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	7	0.65
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	7	0.65
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	14	0.65
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	14	0.65
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	14	0.65
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	7	0.65
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	10	0.65
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	12	0.65
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	14	0.65
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	16	0.65
(2,1467)	1:151:A:ILE:HG12	1:151:A:ILE:HA	16	0.65
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	18	0.65
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	9	0.65
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	10	0.65
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	18	0.65
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	3	0.65
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	5	0.65
(2,1396)	1:56:A:THR:HA	1:56:A:THR:HB	14	0.65
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	20	0.65
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	11	0.65
(2,1320)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	6	0.65
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	4	0.65
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	4	0.65
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	4	0.65
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	3	0.65
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	5	0.65
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	11	0.65
(2,1276)	1:88:A:LYS:HG2	1:88:A:LYS:HB2	13	0.65
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	2	0.65
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	3	0.65
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	6	0.65
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	11	0.65
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	16	0.65
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	19	0.65
(2,1213)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	15	0.65
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	3	0.65
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	7	0.65
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	20	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	2	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	3	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	4	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	7	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	13	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	14	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	15	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	16	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	17	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	18	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	19	0.65
(2,1124)	1:108:A:GLY:HA3	1:108:A:GLY:H	20	0.65
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	4	0.65
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	15	0.65
(2,1081)	1:108:A:GLY:HA3	1:109:A:GLY:H	10	0.65
(2,1076)	1:77:A:ARG:HG2	1:77:A:ARG:HB3	7	0.65
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	8	0.65
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	17	0.65
(2,1064)	1:13:A:ASP:HB3	1:14:A:THR:H	9	0.65
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	2	0.65
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	10	0.65
(2,1040)	1:80:A:LYS:HD2	1:80:A:LYS:HE3	20	0.65
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	11	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	1	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	1	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	1	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	3	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	3	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	3	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	5	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	5	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	5	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	11	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	11	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	11	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	15	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	15	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	15	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	17	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	17	0.65
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	17	0.65
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	6	0.65
(2,889)	1:58:A:PRO:HB2	1:58:A:PRO:HA	17	0.65
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	9	0.65
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	14	0.65
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	11	0.65
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	6	0.65
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	6	0.65
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	6	0.65
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	14	0.65
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	14	0.65
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	14	0.65
(2,773)	1:101:A:ILE:HB	1:101:A:ILE:H	5	0.65
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	1	0.65
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	2	0.65
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	3	0.65
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	5	0.65
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	7	0.65
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	9	0.65
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	10	0.65
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	13	0.65
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	14	0.65
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	15	0.65
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	7	0.65
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	7	0.65
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	10	0.65
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	6	0.65
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	17	0.65
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	4	0.65
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	8	0.65
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	10	0.65
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	16	0.65
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	20	0.65
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	7	0.65
(2,628)	1:3:A:LYS:HB3	1:3:A:LYS:HA	13	0.65
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	2	0.65
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	3	0.65
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	16	0.65
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	4	0.65
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	4	0.65
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	4	0.65
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	5	0.65
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	5	0.65
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	5	0.65
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	6	0.65
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	6	0.65
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	6	0.65
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	8	0.65
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	8	0.65
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	8	0.65
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	13	0.65
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	13	0.65
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	13	0.65
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	18	0.65
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	18	0.65
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	18	0.65
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	9	0.65
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	1	0.65
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	14	0.65
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	18	0.65
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	20	0.65
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	11	0.65
(2,432)	1:74:A:LEU:HG	1:74:A:LEU:HA	15	0.65
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	1	0.65
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	3	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	5	0.65
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	11	0.65
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	14	0.65
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	17	0.65
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	6	0.65
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	12	0.65
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	10	0.65
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	17	0.65
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	19	0.65
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	3	0.65
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	7	0.65
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	12	0.65
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	13	0.65
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	15	0.65
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	19	0.65
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	17	0.65
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	6	0.65
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	8	0.65
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	10	0.65
(2,184)	1:92:A:GLN:H	1:92:A:GLN:HG2	6	0.65
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	12	0.65
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	3	0.65
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	11	0.65
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	1	0.65
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	12	0.65
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	14	0.65
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	18	0.65
(2,44)	1:68:A:LYS:HA	1:68:A:LYS:HD2	14	0.65
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	7	0.65
(2,33)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	19	0.65
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	15	0.65
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	15	0.65
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	15	0.65
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	4	0.65
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	8	0.65
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	16	0.65
(4,1551)	1:13:A:ASP:HB2	1:14:A:THR:H	9	0.64
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	18	0.64
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	15	0.64
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	1	0.64
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	5	0.64
(4,1441)	1:166:A:ASN:HB2	1:166:A:ASN:HD21	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	7	0.64
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	7	0.64
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	7	0.64
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	12	0.64
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	12	0.64
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	12	0.64
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	12	0.64
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	1	0.64
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	8	0.64
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	15	0.64
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	14	0.64
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	14	0.64
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	14	0.64
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	17	0.64
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	17	0.64
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	17	0.64
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	2	0.64
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	3	0.64
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	19	0.64
(4,1203)	1:162:A:ARG:HD3	1:163:A:VAL:H	13	0.64
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	9	0.64
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	9	0.64
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	9	0.64
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	9	0.64
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	9	0.64
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	9	0.64
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	18	0.64
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	18	0.64
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	18	0.64
(4,1121)	1:92:A:GLN:HG3	1:92:A:GLN:HE21	9	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	1	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	3	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	5	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	6	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	7	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	8	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	9	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	10	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	12	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	13	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	14	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	16	0.64
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	20	0.64
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	12	0.64
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	12	0.64
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	12	0.64
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	12	0.64
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	14	0.64
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	14	0.64
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	14	0.64
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	6	0.64
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	1	0.64
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	2	0.64
(4,980)	1:162:A:ARG:HA	1:163:A:VAL:H	14	0.64
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	11	0.64
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	2	0.64
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	17	0.64
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	19	0.64
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	4	0.64
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	9	0.64
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	16	0.64
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	20	0.64
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	8	0.64
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	2	0.64
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	10	0.64
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	8	0.64
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	1	0.64
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	15	0.64
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	4	0.64
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	17	0.64
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	19	0.64
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	5	0.64
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	16	0.64
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	3	0.64
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	10	0.64
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	14	0.64
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	15	0.64
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	16	0.64
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	19	0.64
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	15	0.64
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	4	0.64
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	16	0.64
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	4	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	12	0.64
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	5	0.64
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	19	0.64
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	11	0.64
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	7	0.64
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	6	0.64
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	18	0.64
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	19	0.64
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	1	0.64
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	9	0.64
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	16	0.64
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	18	0.64
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	18	0.64
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	1	0.64
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	1	0.64
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	1	0.64
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	7	0.64
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	7	0.64
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	7	0.64
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	19	0.64
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	19	0.64
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	19	0.64
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	1	0.64
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	2	0.64
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	3	0.64
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	9	0.64
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	12	0.64
(4,266)	1:141:A:GLY:HA3	1:141:A:GLY:H	13	0.64
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	5	0.64
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	19	0.64
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	19	0.64
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	19	0.64
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	4	0.64
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	4	0.64
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	4	0.64
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	11	0.64
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	11	0.64
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	11	0.64
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	17	0.64
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	17	0.64
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	17	0.64
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	13	0.64
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	13	0.64
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	13	0.64
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	13	0.64
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	13	0.64
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	13	0.64
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	19	0.64
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	19	0.64
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	19	0.64
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	19	0.64
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	19	0.64
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	19	0.64
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	1	0.64
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	1	0.64
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	1	0.64
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	1	0.64
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	7	0.64
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	7	0.64
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	7	0.64
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	7	0.64
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	11	0.64
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	11	0.64
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	11	0.64
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	11	0.64
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	13	0.64
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	13	0.64
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	13	0.64
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	13	0.64
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE1	16	0.64
(3,32)	1:114:A:TYR:HD1	1:114:A:TYR:HE2	16	0.64
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE1	16	0.64
(3,32)	1:114:A:TYR:HD2	1:114:A:TYR:HE2	16	0.64
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	7	0.64
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	7	0.64
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	7	0.64
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	18	0.64
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	5	0.64
(2,3167)	1:136:A:LYS:HB3	1:136:A:LYS:HA	5	0.64
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	2	0.64
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	19	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	2	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	4	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	5	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	6	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	7	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	8	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	9	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	11	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	12	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	13	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	14	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	15	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	18	0.64
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	19	0.64
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	8	0.64
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	8	0.64
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	8	0.64
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	2	0.64
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	8	0.64
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	20	0.64
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	5	0.64
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	13	0.64
(2,3017)	1:92:A:GLN:H	1:92:A:GLN:HG3	18	0.64
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	2	0.64
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	14	0.64
(2,2910)	1:139:A:SER:HB3	1:139:A:SER:HA	3	0.64
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	3	0.64
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	10	0.64
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	19	0.64
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	6	0.64
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	4	0.64
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	6	0.64
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	15	0.64
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	2	0.64
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	9	0.64
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	10	0.64
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	10	0.64
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	10	0.64
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	14	0.64
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	14	0.64
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	14	0.64
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	15	0.64
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	15	0.64
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	6	0.64
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	6	0.64
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	6	0.64
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	15	0.64
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	15	0.64
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	15	0.64
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	6	0.64
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	20	0.64
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	20	0.64
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	20	0.64
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	3	0.64
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	3	0.64
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	3	0.64
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	6	0.64
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	6	0.64
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	6	0.64
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	9	0.64
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	9	0.64
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	9	0.64
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	7	0.64
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	1	0.64
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	13	0.64
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	15	0.64
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	18	0.64
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	8	0.64
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	16	0.64
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	7	0.64
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	10	0.64
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	9	0.64
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	2	0.64
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	4	0.64
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	5	0.64
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	10	0.64
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	11	0.64
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	13	0.64
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	19	0.64
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	4	0.64
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	9	0.64
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	9	0.64
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	9	0.64
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	7	0.64
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	14	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	13	0.64
(2,2007)	1:111:A:PHE:HB3	1:112:A:GLY:H	16	0.64
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	6	0.64
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	11	0.64
(2,1996)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	20	0.64
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	5	0.64
(2,1951)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	4	0.64
(2,1951)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	5	0.64
(2,1951)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	8	0.64
(2,1951)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	16	0.64
(2,1951)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	19	0.64
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	2	0.64
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	3	0.64
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	2	0.64
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	4	0.64
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	5	0.64
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	7	0.64
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	8	0.64
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	11	0.64
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	12	0.64
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	14	0.64
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	18	0.64
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	20	0.64
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	2	0.64
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	6	0.64
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	9	0.64
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	11	0.64
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	15	0.64
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	17	0.64
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	18	0.64
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	20	0.64
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	5	0.64
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	6	0.64
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	7	0.64
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	12	0.64
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	13	0.64
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	14	0.64
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	15	0.64
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	16	0.64
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	20	0.64
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	2	0.64
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1782)	1:93:A:THR:HB	1:93:A:THR:H	6	0.64
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	2	0.64
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	3	0.64
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	6	0.64
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	7	0.64
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	15	0.64
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	1	0.64
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	7	0.64
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	9	0.64
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	11	0.64
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	14	0.64
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	16	0.64
(2,1614)	1:31:A:GLN:HA	1:31:A:GLN:H	18	0.64
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	3	0.64
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	17	0.64
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	3	0.64
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	8	0.64
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	9	0.64
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	13	0.64
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	15	0.64
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	5	0.64
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	20	0.64
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	20	0.64
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	1	0.64
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	18	0.64
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	16	0.64
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	7	0.64
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	3	0.64
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	8	0.64
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	8	0.64
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	8	0.64
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	7	0.64
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	10	0.64
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	14	0.64
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	17	0.64
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	18	0.64
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	13	0.64
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	12	0.64
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	2	0.64
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	5	0.64
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	7	0.64
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	12	0.64
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	5	0.64
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	1	0.64
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	2	0.64
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	4	0.64
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	5	0.64
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	7	0.64
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	13	0.64
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	15	0.64
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	16	0.64
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	19	0.64
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	20	0.64
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	11	0.64
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	14	0.64
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	16	0.64
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	20	0.64
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	8	0.64
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	10	0.64
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	13	0.64
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	15	0.64
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	20	0.64
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	2	0.64
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	7	0.64
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	13	0.64
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	16	0.64
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	20	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	2	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	2	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	2	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	4	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	4	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	4	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	6	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	6	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	6	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	7	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	7	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	7	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	10	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	10	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	10	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	12	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	12	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	12	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	13	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	13	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	13	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	14	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	14	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	14	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	18	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	18	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	18	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	19	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	19	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	19	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD21	20	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD22	20	0.64
(2,912)	1:30:A:LEU:HB2	1:30:A:LEU:HD23	20	0.64
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	11	0.64
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	10	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	2	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	2	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	2	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	10	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	10	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	10	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	13	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	13	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	13	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	15	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	15	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	15	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	16	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	16	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	16	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	18	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	18	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	18	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	20	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	20	0.64
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	20	0.64
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	6	0.64
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	11	0.64
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	16	0.64
(2,748)	1:24:A:ILE:HA	1:24:A:ILE:HG13	20	0.64
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	11	0.64
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	2	0.64
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	4	0.64
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	13	0.64
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	14	0.64
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	17	0.64
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	19	0.64
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	20	0.64
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	6	0.64
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	18	0.64
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	2	0.64
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	2	0.64
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	2	0.64
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	2	0.64
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	2	0.64
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	2	0.64
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	2	0.64
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	2	0.64
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	2	0.64
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	1	0.64
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	8	0.64
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	11	0.64
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	12	0.64
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	16	0.64
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	18	0.64
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	20	0.64
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	7	0.64
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	18	0.64
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	11	0.64
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	5	0.64
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	1	0.64
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	10	0.64
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	11	0.64
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	16	0.64
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	2	0.64
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	4	0.64
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	6	0.64
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	7	0.64
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	9	0.64
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	10	0.64
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	12	0.64
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	13	0.64
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	16	0.64
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	19	0.64
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	20	0.64
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	6	0.64
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	6	0.64
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	6	0.64
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	14	0.64
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	14	0.64
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	14	0.64
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	4	0.64
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	6	0.64
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	11	0.64
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	11	0.64
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	17	0.64
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	8	0.64
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	15	0.64
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	12	0.64
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	1	0.64
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	2	0.64
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	4	0.64
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	5	0.64
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	8	0.64
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	11	0.64
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	14	0.64
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	18	0.64
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	9	0.64
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	5	0.64
(2,85)	1:23:A:ARG:HB3	1:23:A:ARG:HG2	20	0.64
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	4	0.64
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	7	0.64
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	13	0.64
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	20	0.64
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	7	0.64
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	12	0.64
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	19	0.64
(2,67)	1:131:A:PRO:HD3	1:131:A:PRO:HA	20	0.64
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	2	0.64
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	13	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	13	0.64
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	13	0.64
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	19	0.64
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	19	0.64
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	19	0.64
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	6	0.64
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	12	0.64
(1,17)	1:141:A:GLY:HA3	1:142:A:CYS:H	18	0.64
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	2	0.63
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	6	0.63
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	9	0.63
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	10	0.63
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	14	0.63
(4,1460)	1:147:A:ASN:HD22	1:147:A:ASN:H	13	0.63
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	7	0.63
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	14	0.63
(4,1404)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	9	0.63
(4,1402)	1:143:A:ILE:HA	1:144:A:ARG:H	20	0.63
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	12	0.63
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	19	0.63
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	19	0.63
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	19	0.63
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	9	0.63
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	9	0.63
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	9	0.63
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	18	0.63
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	3	0.63
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	3	0.63
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	3	0.63
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	8	0.63
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	8	0.63
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	8	0.63
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	11	0.63
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	4	0.63
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD11	1	0.63
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD12	1	0.63
(4,1177)	1:125:A:ILE:H	1:125:A:ILE:HD13	1	0.63
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	2	0.63
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	4	0.63
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	11	0.63
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	17	0.63
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	18	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1096)	1:160:A:GLY:HA2	1:160:A:GLY:H	19	0.63
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	1	0.63
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	10	0.63
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	1	0.63
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	2	0.63
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	5	0.63
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	7	0.63
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	8	0.63
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	10	0.63
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	12	0.63
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	13	0.63
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	14	0.63
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	4	0.63
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	4	0.63
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	4	0.63
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	19	0.63
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	19	0.63
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	19	0.63
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	5	0.63
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	5	0.63
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	11	0.63
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	11	0.63
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	13	0.63
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	5	0.63
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	6	0.63
(4,964)	1:136:A:LYS:HD2	1:137:A:ALA:H	4	0.63
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	3	0.63
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	17	0.63
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	13	0.63
(4,817)	1:14:A:THR:HG21	1:15:A:LEU:H	1	0.63
(4,817)	1:14:A:THR:HG22	1:15:A:LEU:H	1	0.63
(4,817)	1:14:A:THR:HG23	1:15:A:LEU:H	1	0.63
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	12	0.63
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	12	0.63
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	12	0.63
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	18	0.63
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	18	0.63
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	18	0.63
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	2	0.63
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	9	0.63
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	2	0.63
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	13	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	5	0.63
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	13	0.63
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	16	0.63
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	13	0.63
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	19	0.63
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	6	0.63
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	15	0.63
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	3	0.63
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	7	0.63
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	13	0.63
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	6	0.63
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	15	0.63
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	7	0.63
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	2	0.63
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	4	0.63
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	7	0.63
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	18	0.63
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	19	0.63
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	1	0.63
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	12	0.63
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	15	0.63
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	1	0.63
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	3	0.63
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	4	0.63
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	6	0.63
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	14	0.63
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	18	0.63
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	19	0.63
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	13	0.63
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	5	0.63
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	13	0.63
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	14	0.63
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	2	0.63
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	8	0.63
(4,435)	1:37:A:GLN:HG2	1:37:A:GLN:HE21	11	0.63
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	6	0.63
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	7	0.63
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	8	0.63
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	13	0.63
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	15	0.63
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	15	0.63
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	15	0.63
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	18	0.63
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	18	0.63
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	18	0.63
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	3	0.63
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	3	0.63
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	3	0.63
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	7	0.63
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	1	0.63
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	19	0.63
(4,247)	1:15:A:LEU:HD11	1:16:A:ASN:H	20	0.63
(4,247)	1:15:A:LEU:HD12	1:16:A:ASN:H	20	0.63
(4,247)	1:15:A:LEU:HD13	1:16:A:ASN:H	20	0.63
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	7	0.63
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	14	0.63
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	16	0.63
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	4	0.63
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	20	0.63
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	13	0.63
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	5	0.63
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	5	0.63
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	5	0.63
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	2	0.63
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	2	0.63
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	2	0.63
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	12	0.63
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	12	0.63
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	12	0.63
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	18	0.63
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	7	0.63
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	3	0.63
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	3	0.63
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	3	0.63
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	3	0.63
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	3	0.63
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	3	0.63
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	15	0.63
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	15	0.63
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	15	0.63
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	7	0.63
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	1	0.63
(2,3083)	1:165:A:ILE:HB	1:165:A:ILE:HA	3	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	4	0.63
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	7	0.63
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	8	0.63
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	15	0.63
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	19	0.63
(2,2966)	1:23:A:ARG:HD2	1:23:A:ARG:HB2	20	0.63
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	18	0.63
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	2	0.63
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	6	0.63
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	7	0.63
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	8	0.63
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	2	0.63
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	8	0.63
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	13	0.63
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	16	0.63
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	4	0.63
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	2	0.63
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	3	0.63
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	14	0.63
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	18	0.63
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	20	0.63
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	12	0.63
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	12	0.63
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	12	0.63
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	18	0.63
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	18	0.63
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	18	0.63
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	3	0.63
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	3	0.63
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	3	0.63
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	6	0.63
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	6	0.63
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	6	0.63
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	8	0.63
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	8	0.63
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	8	0.63
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	10	0.63
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	10	0.63
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	10	0.63
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	9	0.63
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	9	0.63
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	4	0.63
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	7	0.63
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	10	0.63
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	18	0.63
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	5	0.63
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	5	0.63
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	5	0.63
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	8	0.63
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	8	0.63
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	8	0.63
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	11	0.63
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	11	0.63
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	11	0.63
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	12	0.63
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	12	0.63
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	12	0.63
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	13	0.63
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	13	0.63
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	13	0.63
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	14	0.63
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	14	0.63
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	14	0.63
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	16	0.63
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	16	0.63
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	16	0.63
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	17	0.63
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	17	0.63
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	17	0.63
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	18	0.63
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	18	0.63
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	18	0.63
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	3	0.63
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	5	0.63
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	5	0.63
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	5	0.63
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	12	0.63
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	12	0.63
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	12	0.63
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	17	0.63
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	17	0.63
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	17	0.63
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	2	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	3	0.63
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	17	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	1	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	4	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	5	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	6	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	9	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	11	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	12	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	13	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	14	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	15	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	16	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	17	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	18	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	19	0.63
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	20	0.63
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	12	0.63
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	9	0.63
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	1	0.63
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	7	0.63
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	20	0.63
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	8	0.63
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	8	0.63
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	8	0.63
(2,2131)	1:144:A:ARG:HD2	1:143:A:ILE:HG12	18	0.63
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	13	0.63
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	4	0.63
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	20	0.63
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	2	0.63
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	7	0.63
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	8	0.63
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	15	0.63
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	19	0.63
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	6	0.63
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	7	0.63
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	8	0.63
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	15	0.63
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	19	0.63
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	11	0.63
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	11	0.63
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	11	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	20	0.63
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	20	0.63
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	20	0.63
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	8	0.63
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	13	0.63
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	16	0.63
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	17	0.63
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	19	0.63
(2,1900)	1:2:A:ARG:HB3	1:2:A:ARG:HA	13	0.63
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	1	0.63
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	2	0.63
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	3	0.63
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	4	0.63
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	8	0.63
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	9	0.63
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	10	0.63
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	17	0.63
(2,1882)	1:106:A:ASN:HB3	1:106:A:ASN:H	19	0.63
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	4	0.63
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	16	0.63
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	13	0.63
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	1	0.63
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	10	0.63
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	11	0.63
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	12	0.63
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	13	0.63
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	14	0.63
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	16	0.63
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	18	0.63
(2,1768)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	20	0.63
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	3	0.63
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	3	0.63
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	3	0.63
(2,1550)	1:34:A:PRO:HG3	1:34:A:PRO:HA	18	0.63
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	19	0.63
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	7	0.63
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	11	0.63
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	3	0.63
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	4	0.63
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	1	0.63
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	1	0.63
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	4	0.63
(2,1213)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	6	0.63
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	10	0.63
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	3	0.63
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	17	0.63
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	19	0.63
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	3	0.63
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	6	0.63
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	10	0.63
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	18	0.63
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	1	0.63
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	4	0.63
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	8	0.63
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	15	0.63
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	18	0.63
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	5	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	1	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	2	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	3	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	5	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	6	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	7	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	9	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	11	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	12	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	14	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	17	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	18	0.63
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	19	0.63
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	8	0.63
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	11	0.63
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	18	0.63
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	9	0.63
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	1	0.63
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	3	0.63
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	4	0.63
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	5	0.63
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	9	0.63
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	10	0.63
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	12	0.63
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	14	0.63
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	17	0.63
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	18	0.63
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	19	0.63
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	3	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	3	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	3	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	3	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	4	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	4	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	4	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	7	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	7	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	7	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	8	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	8	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	8	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	12	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	12	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	12	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	17	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	17	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	17	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	19	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	19	0.63
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	19	0.63
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	2	0.63
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	15	0.63
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	18	0.63
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	11	0.63
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	20	0.63
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	3	0.63
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	5	0.63
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	20	0.63
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	8	0.63
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	18	0.63
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	1	0.63
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	5	0.63
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	6	0.63
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	9	0.63
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	11	0.63
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	12	0.63
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	16	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	18	0.63
(2,724)	1:120:A:LYS:HG2	1:120:A:LYS:HD2	20	0.63
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	11	0.63
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	11	0.63
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	11	0.63
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	18	0.63
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	18	0.63
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	18	0.63
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	1	0.63
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	7	0.63
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	15	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	11	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	11	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	11	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	11	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	11	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	11	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	11	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	11	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	11	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	12	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	12	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	12	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	12	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	12	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	12	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	12	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	12	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	12	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	13	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	13	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	13	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	13	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	13	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	13	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	13	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	13	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	13	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	15	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	15	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	15	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	15	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	15	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	15	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	15	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	15	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	20	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	20	0.63
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	20	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	20	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	20	0.63
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	20	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	20	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	20	0.63
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	20	0.63
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	6	0.63
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	7	0.63
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	14	0.63
(2,606)	1:58:A:PRO:HG3	1:58:A:PRO:HA	15	0.63
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	9	0.63
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	16	0.63
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	14	0.63
(2,493)	1:131:A:PRO:HD3	1:132:A:ALA:H	17	0.63
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	4	0.63
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	16	0.63
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	16	0.63
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	16	0.63
(2,484)	1:148:A:LYS:HA	1:148:A:LYS:HG3	11	0.63
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	15	0.63
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	6	0.63
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	19	0.63
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	20	0.63
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	8	0.63
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	12	0.63
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	14	0.63
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	17	0.63
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	9	0.63
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	3	0.63
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	3	0.63
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	3	0.63
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	1	0.63
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	2	0.63
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	7	0.63
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	8	0.63
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	9	0.63
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	10	0.63
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	11	0.63
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	14	0.63
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	15	0.63
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	19	0.63
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	1	0.63
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	13	0.63
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	6	0.63
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	9	0.63
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	16	0.63
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	17	0.63
(2,216)	1:114:A:TYR:HB2	1:115:A:TRP:H	12	0.63
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	2	0.63
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	5	0.63
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	7	0.63
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	15	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	1	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	2	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	3	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	5	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	6	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	8	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	10	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	11	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	12	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	14	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	17	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	18	0.63
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	19	0.63
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	3	0.63
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	7	0.63
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	8	0.63
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	11	0.63
(2,61)	1:58:A:PRO:HD2	1:58:A:PRO:HB2	20	0.63
(1,20)	1:123:A:TYR:HE1	1:122:A:HIS:HB3	12	0.63
(1,20)	1:123:A:TYR:HE2	1:122:A:HIS:HB3	12	0.63
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	7	0.63
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	7	0.63
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	7	0.63
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	7	0.63
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	7	0.63
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	7	0.62
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	7	0.62
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	14	0.62
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	14	0.62
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	3	0.62
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	15	0.62
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	16	0.62
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	18	0.62
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	18	0.62
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	18	0.62
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	15	0.62
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	2	0.62
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	2	0.62
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	2	0.62
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	19	0.62
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	19	0.62
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	19	0.62
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	13	0.62
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	11	0.62
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	2	0.62
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	18	0.62
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	3	0.62
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	4	0.62
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	6	0.62
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	8	0.62
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	18	0.62
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	3	0.62
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	4	0.62
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	9	0.62
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	11	0.62
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	15	0.62
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	16	0.62
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	17	0.62
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	18	0.62
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	19	0.62
(4,1071)	1:141:A:GLY:HA2	1:141:A:GLY:H	20	0.62
(4,1064)	1:18:A:ILE:HG12	1:19:A:ALA:H	11	0.62
(4,1062)	1:108:A:GLY:H	1:109:A:GLY:H	11	0.62
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	4	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	5	0.62
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	20	0.62
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	4	0.62
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	19	0.62
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	19	0.62
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	8	0.62
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	10	0.62
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	11	0.62
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	17	0.62
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	19	0.62
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	14	0.62
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	20	0.62
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	9	0.62
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	17	0.62
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	14	0.62
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	16	0.62
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	2	0.62
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	6	0.62
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	12	0.62
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	8	0.62
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	9	0.62
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	17	0.62
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	9	0.62
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	12	0.62
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	3	0.62
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	18	0.62
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	2	0.62
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	9	0.62
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	10	0.62
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	12	0.62
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	15	0.62
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	16	0.62
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	17	0.62
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	7	0.62
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	16	0.62
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	7	0.62
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	2	0.62
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	15	0.62
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	4	0.62
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	5	0.62
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	10	0.62
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	12	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	19	0.62
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	7	0.62
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	2	0.62
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	2	0.62
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	2	0.62
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	13	0.62
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	13	0.62
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	13	0.62
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	3	0.62
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	4	0.62
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	19	0.62
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	11	0.62
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	17	0.62
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	13	0.62
(4,243)	1:3:A:LYS:H	1:2:A:ARG:HG3	13	0.62
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	3	0.62
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	9	0.62
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	15	0.62
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	2	0.62
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	2	0.62
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	2	0.62
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	3	0.62
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	3	0.62
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	3	0.62
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	16	0.62
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	16	0.62
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	16	0.62
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	10	0.62
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	13	0.62
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	14	0.62
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	3	0.62
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	8	0.62
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	8	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	1	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	2	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	3	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	4	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	5	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	6	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	7	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	8	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	10	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	11	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	12	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	13	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	14	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	15	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	16	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	17	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	18	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	19	0.62
(3,72)	1:115:A:TRP:HH2	1:115:A:TRP:HZ3	20	0.62
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	11	0.62
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	11	0.62
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	20	0.62
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	20	0.62
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	1	0.62
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	1	0.62
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	1	0.62
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	12	0.62
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	17	0.62
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	17	0.62
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	8	0.62
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	15	0.62
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	15	0.62
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	11	0.62
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	18	0.62
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	4	0.62
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	15	0.62
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	19	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	2	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	3	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	4	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	6	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	7	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	8	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	9	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	10	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	11	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	12	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	13	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	14	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	16	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	17	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	19	0.62
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	20	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	3	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	4	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	5	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	11	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	13	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	14	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	15	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	16	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	17	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	18	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	19	0.62
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	20	0.62
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	2	0.62
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	9	0.62
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	12	0.62
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	14	0.62
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	1	0.62
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	3	0.62
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	5	0.62
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	9	0.62
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	10	0.62
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	12	0.62
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	2	0.62
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	9	0.62
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	9	0.62
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	12	0.62
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	17	0.62
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	8	0.62
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	4	0.62
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	5	0.62
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	6	0.62
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	7	0.62
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	9	0.62
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	10	0.62
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	11	0.62
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	14	0.62
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	16	0.62
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	10	0.62
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	16	0.62
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	17	0.62
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	19	0.62
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	2	0.62
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	2	0.62
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	2	0.62
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	2	0.62
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	2	0.62
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	2	0.62
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	4	0.62
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	4	0.62
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	4	0.62
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	5	0.62
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	5	0.62
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	5	0.62
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	9	0.62
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	9	0.62
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	9	0.62
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	13	0.62
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	13	0.62
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	13	0.62
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	17	0.62
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	17	0.62
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	17	0.62
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	2	0.62
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	2	0.62
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	2	0.62
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	3	0.62
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	3	0.62
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	3	0.62
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	12	0.62
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	12	0.62
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	12	0.62
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	14	0.62
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	14	0.62
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	14	0.62
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	4	0.62
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	8	0.62
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	11	0.62
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	19	0.62
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	20	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2731)	1:35:A:SER:HB2	1:35:A:SER:H	5	0.62
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	10	0.62
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	9	0.62
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	17	0.62
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	18	0.62
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	18	0.62
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	18	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	1	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	2	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	3	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	4	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	5	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	6	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	8	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	9	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	10	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	11	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	12	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	14	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	16	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	17	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	18	0.62
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	19	0.62
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	1	0.62
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	1	0.62
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	1	0.62
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	2	0.62
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	2	0.62
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	2	0.62
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	3	0.62
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	3	0.62
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	3	0.62
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	4	0.62
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	4	0.62
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	4	0.62
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	6	0.62
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	6	0.62
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	6	0.62
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	7	0.62
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	7	0.62
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	7	0.62
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	9	0.62
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	9	0.62
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	10	0.62
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	10	0.62
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	10	0.62
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	15	0.62
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	15	0.62
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	15	0.62
(2,2555)	1:118:A:LEU:HD21	1:118:A:LEU:HB3	19	0.62
(2,2555)	1:118:A:LEU:HD22	1:118:A:LEU:HB3	19	0.62
(2,2555)	1:118:A:LEU:HD23	1:118:A:LEU:HB3	19	0.62
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	13	0.62
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	4	0.62
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	4	0.62
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	4	0.62
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	14	0.62
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	14	0.62
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	14	0.62
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	15	0.62
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	15	0.62
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	15	0.62
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	19	0.62
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	19	0.62
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	19	0.62
(2,2515)	1:167:A:ARG:H	1:166:A:ASN:HB3	12	0.62
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	2	0.62
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	14	0.62
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	9	0.62
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	15	0.62
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	4	0.62
(2,2418)	1:76:A:ASN:HB3	1:77:A:ARG:H	9	0.62
(2,2396)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	8	0.62
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	4	0.62
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	8	0.62
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	4	0.62
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	16	0.62
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	7	0.62
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	7	0.62
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	7	0.62
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	10	0.62
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	10	0.62
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	2	0.62
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	3	0.62
(2,2264)	1:40:A:LEU:HA	1:40:A:LEU:HB2	8	0.62
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	1	0.62
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	8	0.62
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	16	0.62
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	17	0.62
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	6	0.62
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	18	0.62
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	12	0.62
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	7	0.62
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	7	0.62
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	7	0.62
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	6	0.62
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	9	0.62
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	10	0.62
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	13	0.62
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	18	0.62
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	19	0.62
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	3	0.62
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	18	0.62
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	9	0.62
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	18	0.62
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	9	0.62
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	14	0.62
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	9	0.62
(2,1906)	1:158:A:PRO:HB2	1:158:A:PRO:HG2	10	0.62
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	2	0.62
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	4	0.62
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	7	0.62
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	8	0.62
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	9	0.62
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	10	0.62
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	12	0.62
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	13	0.62
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	15	0.62
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	19	0.62
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	20	0.62
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	5	0.62
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	15	0.62
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	19	0.62
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	3	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	17	0.62
(2,1647)	1:122:A:HIS:HA	1:122:A:HIS:HD2	18	0.62
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	10	0.62
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	5	0.62
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	11	0.62
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	11	0.62
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	11	0.62
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	1	0.62
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	2	0.62
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	11	0.62
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	19	0.62
(2,1213)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	3	0.62
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	5	0.62
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	9	0.62
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	17	0.62
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	19	0.62
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	14	0.62
(2,1066)	1:121:A:GLN:HG3	1:121:A:GLN:HB3	12	0.62
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	6	0.62
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	7	0.62
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	9	0.62
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	9	0.62
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	11	0.62
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	4	0.62
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	16	0.62
(2,1044)	1:110:A:PRO:HG2	1:110:A:PRO:HD3	20	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	1	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	2	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	3	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	5	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	6	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	7	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	9	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	10	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	12	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	13	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	14	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	15	0.62
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	19	0.62
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	6	0.62
(2,943)	1:43:A:GLY:HA3	1:43:A:GLY:H	8	0.62
(2,900)	1:140:A:LYS:HG2	1:140:A:LYS:HB3	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG21	1	0.62
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG22	1	0.62
(2,873)	1:47:A:VAL:HG11	1:6:A:THR:HG23	1	0.62
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG21	1	0.62
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG22	1	0.62
(2,873)	1:47:A:VAL:HG12	1:6:A:THR:HG23	1	0.62
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG21	1	0.62
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG22	1	0.62
(2,873)	1:47:A:VAL:HG13	1:6:A:THR:HG23	1	0.62
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	1	0.62
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	1	0.62
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	1	0.62
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	1	0.62
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	5	0.62
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	5	0.62
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	5	0.62
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	3	0.62
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	7	0.62
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	17	0.62
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	1	0.62
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	2	0.62
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	4	0.62
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	7	0.62
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	9	0.62
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	10	0.62
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	13	0.62
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	16	0.62
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	1	0.62
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	2	0.62
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	3	0.62
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	4	0.62
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	8	0.62
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	1	0.62
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	14	0.62
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	3	0.62
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	3	0.62
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	3	0.62
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	3	0.62
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	3	0.62
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	3	0.62
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	3	0.62
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	3	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	3	0.62
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	5	0.62
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	5	0.62
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	5	0.62
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	5	0.62
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	5	0.62
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	5	0.62
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	5	0.62
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	5	0.62
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	5	0.62
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	20	0.62
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	20	0.62
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	2	0.62
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	2	0.62
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	3	0.62
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	4	0.62
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	5	0.62
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	7	0.62
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	10	0.62
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	13	0.62
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	14	0.62
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	15	0.62
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	16	0.62
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	17	0.62
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	18	0.62
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	15	0.62
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	16	0.62
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	19	0.62
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	1	0.62
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	13	0.62
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	20	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	1	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	2	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	3	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	5	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	6	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	8	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	9	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	10	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	11	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	12	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	13	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	15	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	16	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	17	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	19	0.62
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	20	0.62
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	3	0.62
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	4	0.62
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	5	0.62
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	12	0.62
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	13	0.62
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	16	0.62
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	17	0.62
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	18	0.62
(2,297)	1:90:A:LEU:HA	1:90:A:LEU:HB2	20	0.62
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	19	0.62
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	12	0.62
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	10	0.62
(2,224)	1:24:A:ILE:HG12	1:25:A:SER:H	20	0.62
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	12	0.62
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	4	0.62
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	14	0.62
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	17	0.62
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	19	0.62
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	8	0.62
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	9	0.62
(2,73)	1:36:A:LEU:HA	1:36:A:LEU:HB2	16	0.62
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	6	0.62
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	6	0.62
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	6	0.62
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	8	0.62
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	8	0.62
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	8	0.62
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	16	0.61
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	2	0.61
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	3	0.61
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	17	0.61
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	1	0.61
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	4	0.61
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	6	0.61
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	8	0.61
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	5	0.61
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	20	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1326)	1:84:A:ILE:HB	1:85:A:ALA:H	2	0.61
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	4	0.61
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	19	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	3	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	4	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	5	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	6	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	7	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	8	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	9	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	11	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	12	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	15	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	16	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	17	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	18	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	19	0.61
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	20	0.61
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	4	0.61
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	9	0.61
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	7	0.61
(4,1258)	1:159:A:ASN:HB3	1:160:A:GLY:H	13	0.61
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	5	0.61
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	10	0.61
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	10	0.61
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	10	0.61
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	13	0.61
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	13	0.61
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	13	0.61
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	8	0.61
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	16	0.61
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	20	0.61
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	2	0.61
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	14	0.61
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	15	0.61
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	19	0.61
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	9	0.61
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	9	0.61
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	9	0.61
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	3	0.61
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	6	0.61
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	11	0.61
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	12	0.61
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	14	0.61
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	13	0.61
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	2	0.61
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	7	0.61
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	12	0.61
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	10	0.61
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	4	0.61
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	4	0.61
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	4	0.61
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	5	0.61
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	5	0.61
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	5	0.61
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	7	0.61
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	7	0.61
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	7	0.61
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	16	0.61
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	16	0.61
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	16	0.61
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	19	0.61
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	19	0.61
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	19	0.61
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	1	0.61
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	3	0.61
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	5	0.61
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	6	0.61
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	7	0.61
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	14	0.61
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	15	0.61
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	18	0.61
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	2	0.61
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	3	0.61
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	2	0.61
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	2	0.61
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	3	0.61
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	4	0.61
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	5	0.61
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	11	0.61
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	19	0.61
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	11	0.61
(4,605)	1:126:A:HIS:H	1:125:A:ILE:HG12	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	3	0.61
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	6	0.61
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	7	0.61
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	17	0.61
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	20	0.61
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	15	0.61
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	15	0.61
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	2	0.61
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	1	0.61
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	6	0.61
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	6	0.61
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	3	0.61
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	11	0.61
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	17	0.61
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	3	0.61
(4,395)	1:156:A:ILE:HG21	1:157:A:VAL:H	20	0.61
(4,395)	1:156:A:ILE:HG22	1:157:A:VAL:H	20	0.61
(4,395)	1:156:A:ILE:HG23	1:157:A:VAL:H	20	0.61
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	15	0.61
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	15	0.61
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	15	0.61
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	18	0.61
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	18	0.61
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	18	0.61
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	2	0.61
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	2	0.61
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	3	0.61
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	4	0.61
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	5	0.61
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	7	0.61
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	15	0.61
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	18	0.61
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	20	0.61
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	8	0.61
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	2	0.61
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	16	0.61
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	16	0.61
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	16	0.61
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	13	0.61
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	13	0.61
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	13	0.61
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	4	0.61
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	4	0.61
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	6	0.61
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	6	0.61
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	9	0.61
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	9	0.61
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	19	0.61
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	19	0.61
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	17	0.61
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	17	0.61
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	17	0.61
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	17	0.61
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	17	0.61
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	17	0.61
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	6	0.61
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	6	0.61
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	9	0.61
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	9	0.61
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	19	0.61
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	19	0.61
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	7	0.61
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	7	0.61
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	7	0.61
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	8	0.61
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	8	0.61
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	8	0.61
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	9	0.61
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	9	0.61
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	9	0.61
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	18	0.61
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	18	0.61
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	18	0.61
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	20	0.61
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	20	0.61
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	20	0.61
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	4	0.61
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	11	0.61
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	20	0.61
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	3	0.61
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	7	0.61
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	12	0.61
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3016)	1:37:A:GLN:HA	1:37:A:GLN:HB2	17	0.61
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	17	0.61
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	1	0.61
(2,2959)	1:3:A:LYS:HB2	1:3:A:LYS:HB3	5	0.61
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	1	0.61
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	2	0.61
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	4	0.61
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	5	0.61
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	6	0.61
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	7	0.61
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	8	0.61
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	12	0.61
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	15	0.61
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	16	0.61
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	18	0.61
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	1	0.61
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	9	0.61
(2,2917)	1:131:A:PRO:HB3	1:132:A:ALA:H	10	0.61
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	17	0.61
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	18	0.61
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	11	0.61
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	13	0.61
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	15	0.61
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	16	0.61
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	17	0.61
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	20	0.61
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	7	0.61
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	16	0.61
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	17	0.61
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	16	0.61
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	1	0.61
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	3	0.61
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	5	0.61
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	10	0.61
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	13	0.61
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	16	0.61
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	20	0.61
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	8	0.61
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	5	0.61
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	8	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	5	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	5	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	5	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	6	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	6	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	6	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	9	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	9	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	9	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	16	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	16	0.61
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	16	0.61
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	1	0.61
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	1	0.61
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	1	0.61
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	11	0.61
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	11	0.61
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	11	0.61
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	14	0.61
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	14	0.61
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	14	0.61
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	5	0.61
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	5	0.61
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	5	0.61
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	10	0.61
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	10	0.61
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	10	0.61
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	16	0.61
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	16	0.61
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	16	0.61
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	17	0.61
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	17	0.61
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	17	0.61
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	19	0.61
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	19	0.61
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	19	0.61
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	3	0.61
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	9	0.61
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	12	0.61
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	3	0.61
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	9	0.61
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	17	0.61
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	18	0.61
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	19	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	7	0.61
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	13	0.61
(2,2602)	1:36:A:LEU:HB3	1:36:A:LEU:HG	20	0.61
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	10	0.61
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	8	0.61
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	8	0.61
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	8	0.61
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	16	0.61
(2,2494)	1:57:A:ILE:HA	1:57:A:ILE:HG12	19	0.61
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	1	0.61
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	6	0.61
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	10	0.61
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	12	0.61
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	13	0.61
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	20	0.61
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	17	0.61
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	20	0.61
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	17	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	2	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	2	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	2	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	3	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	3	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	3	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	9	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	9	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	9	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	15	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	15	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	15	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	16	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	16	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	16	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	18	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	18	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	18	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	19	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	19	0.61
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	19	0.61
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	6	0.61
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	6	0.61
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	10	0.61
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	18	0.61
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	19	0.61
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	9	0.61
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	5	0.61
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	14	0.61
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	2	0.61
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	11	0.61
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	4	0.61
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	4	0.61
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	4	0.61
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	3	0.61
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	4	0.61
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	15	0.61
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	1	0.61
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	3	0.61
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	4	0.61
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	12	0.61
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	14	0.61
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	2	0.61
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	3	0.61
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	1	0.61
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	10	0.61
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	7	0.61
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	7	0.61
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	7	0.61
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	9	0.61
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	9	0.61
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	9	0.61
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	17	0.61
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	17	0.61
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	17	0.61
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	19	0.61
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	19	0.61
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	19	0.61
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	10	0.61
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	12	0.61
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	6	0.61
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	1	0.61
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	3	0.61
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	5	0.61
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	11	0.61
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	14	0.61
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	17	0.61
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	16	0.61
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	3	0.61
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	4	0.61
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	6	0.61
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	8	0.61
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	9	0.61
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	12	0.61
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	5	0.61
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	2	0.61
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	2	0.61
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	13	0.61
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	14	0.61
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	17	0.61
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	12	0.61
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	17	0.61
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	11	0.61
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	11	0.61
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	11	0.61
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	11	0.61
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	16	0.61
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	8	0.61
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	20	0.61
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	20	0.61
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	20	0.61
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	10	0.61
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	12	0.61
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	4	0.61
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	17	0.61
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	20	0.61
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	5	0.61
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	17	0.61
(2,986)	1:97:A:GLU:HA	1:97:A:GLU:HG2	19	0.61
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	5	0.61
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD11	11	0.61
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD12	11	0.61
(2,809)	1:18:A:ILE:HA	1:18:A:ILE:HD13	11	0.61
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	12	0.61
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	14	0.61
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	18	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	17	0.61
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	2	0.61
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	7	0.61
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	1	0.61
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	6	0.61
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	8	0.61
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	12	0.61
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	14	0.61
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	15	0.61
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	17	0.61
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	18	0.61
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	10	0.61
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	13	0.61
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	19	0.61
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	14	0.61
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	14	0.61
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	14	0.61
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	19	0.61
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	4	0.61
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	4	0.61
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	4	0.61
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	4	0.61
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	4	0.61
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	4	0.61
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	4	0.61
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	4	0.61
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	4	0.61
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	8	0.61
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	8	0.61
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	8	0.61
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	8	0.61
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	8	0.61
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	8	0.61
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	8	0.61
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	8	0.61
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	8	0.61
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	9	0.61
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	9	0.61
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	9	0.61
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	9	0.61
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	9	0.61
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	9	0.61
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	9	0.61
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	9	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	1	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	2	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	3	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	4	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	5	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	6	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	7	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	8	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	9	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	10	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	12	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	13	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	14	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	15	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	16	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	17	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	18	0.61
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	19	0.61
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	4	0.61
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	17	0.61
(2,490)	1:11:A:GLN:HG2	1:12:A:GLY:H	14	0.61
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	9	0.61
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	9	0.61
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	9	0.61
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	17	0.61
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	17	0.61
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	17	0.61
(2,468)	1:80:A:LYS:HD3	1:80:A:LYS:HA	15	0.61
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	7	0.61
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	8	0.61
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	12	0.61
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	4	0.61
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	18	0.61
(2,364)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	5	0.61
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	4	0.61
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	7	0.61
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	14	0.61
(2,337)	1:110:A:PRO:HG2	1:110:A:PRO:HB3	18	0.61
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	13	0.61
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	13	0.61
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	16	0.61
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	3	0.61
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	5	0.61
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	2	0.61
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	15	0.61
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	11	0.61
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	17	0.61
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	18	0.61
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	10	0.61
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	10	0.61
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	10	0.61
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	15	0.61
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	15	0.61
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	18	0.61
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	18	0.61
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	18	0.61
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	9	0.61
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	9	0.61
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	9	0.61
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	8	0.61
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	4	0.6
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	8	0.6
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	12	0.6
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	17	0.6
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	20	0.6
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	3	0.6
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	5	0.6
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	7	0.6
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	11	0.6
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	19	0.6
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	9	0.6
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	18	0.6
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	5	0.6
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	20	0.6
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	12	0.6
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	1	0.6
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	2	0.6
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	10	0.6
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	13	0.6
(4,1283)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1266)	1:61:A:ILE:HG21	1:62:A:ALA:H	9	0.6
(4,1266)	1:61:A:ILE:HG22	1:62:A:ALA:H	9	0.6
(4,1266)	1:61:A:ILE:HG23	1:62:A:ALA:H	9	0.6
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	1	0.6
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	8	0.6
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	10	0.6
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	2	0.6
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	6	0.6
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	5	0.6
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	7	0.6
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	11	0.6
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	16	0.6
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	17	0.6
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	10	0.6
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	18	0.6
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	3	0.6
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	3	0.6
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	3	0.6
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	5	0.6
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	5	0.6
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	5	0.6
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	13	0.6
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	13	0.6
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	13	0.6
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	17	0.6
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	17	0.6
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	17	0.6
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	20	0.6
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	20	0.6
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	20	0.6
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	8	0.6
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	9	0.6
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	15	0.6
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	17	0.6
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	20	0.6
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	12	0.6
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	13	0.6
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	14	0.6
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	1	0.6
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	8	0.6
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	4	0.6
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,829)	1:13:A:ASP:H	1:12:A:GLY:H	13	0.6
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	1	0.6
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	1	0.6
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	1	0.6
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	9	0.6
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	9	0.6
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	9	0.6
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	16	0.6
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	8	0.6
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	16	0.6
(4,798)	1:101:A:ILE:H	1:100:A:ILE:HA	12	0.6
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	9	0.6
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	17	0.6
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	19	0.6
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	11	0.6
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	6	0.6
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	10	0.6
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	5	0.6
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	7	0.6
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	12	0.6
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	20	0.6
(4,661)	1:3:A:LYS:HG2	1:4:A:LEU:H	15	0.6
(4,648)	1:111:A:PHE:HB2	1:112:A:GLY:H	19	0.6
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	1	0.6
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	2	0.6
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	6	0.6
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	10	0.6
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	13	0.6
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	14	0.6
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	5	0.6
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	15	0.6
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	18	0.6
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	16	0.6
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	16	0.6
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	2	0.6
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	5	0.6
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	14	0.6
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	15	0.6
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	8	0.6
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	9	0.6
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	1	0.6
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	15	0.6
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	18	0.6
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	4	0.6
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	16	0.6
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	2	0.6
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	20	0.6
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	1	0.6
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	12	0.6
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	15	0.6
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	6	0.6
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	8	0.6
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	10	0.6
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	14	0.6
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	16	0.6
(4,248)	1:83:A:PRO:HD2	1:84:A:ILE:H	12	0.6
(4,247)	1:15:A:LEU:HD11	1:16:A:ASN:H	10	0.6
(4,247)	1:15:A:LEU:HD12	1:16:A:ASN:H	10	0.6
(4,247)	1:15:A:LEU:HD13	1:16:A:ASN:H	10	0.6
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	1	0.6
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	10	0.6
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	11	0.6
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	3	0.6
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	17	0.6
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	6	0.6
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	6	0.6
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	6	0.6
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	7	0.6
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	7	0.6
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	7	0.6
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	13	0.6
(4,134)	1:78:A:VAL:HG21	1:78:A:VAL:H	5	0.6
(4,134)	1:78:A:VAL:HG22	1:78:A:VAL:H	5	0.6
(4,134)	1:78:A:VAL:HG23	1:78:A:VAL:H	5	0.6
(4,81)	1:10:A:LYS:HE2	1:11:A:GLN:H	19	0.6
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	2	0.6
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	6	0.6
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	15	0.6
(4,71)	1:31:A:GLN:HB3	1:32:A:ALA:H	5	0.6
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	7	0.6
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	15	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	1	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	3	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	3	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	7	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	7	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	10	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	10	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	16	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	16	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	17	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	17	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	18	0.6
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	18	0.6
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	12	0.6
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	12	0.6
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	12	0.6
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	12	0.6
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	12	0.6
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	12	0.6
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	15	0.6
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	15	0.6
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	15	0.6
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	15	0.6
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	15	0.6
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	15	0.6
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	3	0.6
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	3	0.6
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	4	0.6
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	4	0.6
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	4	0.6
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	16	0.6
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	16	0.6
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	16	0.6
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	9	0.6
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	20	0.6
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	1	0.6
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	10	0.6
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	13	0.6
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	16	0.6
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	15	0.6
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	20	0.6
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	2	0.6
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	3	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	11	0.6
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	14	0.6
(2,2953)	1:57:A:ILE:HG12	1:57:A:ILE:HB	20	0.6
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	18	0.6
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	1	0.6
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	7	0.6
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	10	0.6
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	11	0.6
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	13	0.6
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	15	0.6
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	20	0.6
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	11	0.6
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	12	0.6
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	18	0.6
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	19	0.6
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	2	0.6
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	4	0.6
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	6	0.6
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	7	0.6
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	8	0.6
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	9	0.6
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	11	0.6
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	14	0.6
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	17	0.6
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	18	0.6
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	20	0.6
(2,2774)	1:49:A:PRO:HB2	1:49:A:PRO:HD2	6	0.6
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	4	0.6
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	4	0.6
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	4	0.6
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	11	0.6
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	11	0.6
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	11	0.6
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	6	0.6
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	9	0.6
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	16	0.6
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	20	0.6
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	16	0.6
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	16	0.6
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	16	0.6
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	18	0.6
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	18	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	18	0.6
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	19	0.6
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	19	0.6
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	19	0.6
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	4	0.6
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	4	0.6
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	4	0.6
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	15	0.6
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	15	0.6
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	15	0.6
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	18	0.6
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	18	0.6
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	18	0.6
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	1	0.6
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	5	0.6
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	15	0.6
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	5	0.6
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	11	0.6
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	14	0.6
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	17	0.6
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	1	0.6
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	6	0.6
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	8	0.6
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	13	0.6
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	14	0.6
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	15	0.6
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	20	0.6
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	5	0.6
(2,2701)	1:97:A:GLU:HA	1:97:A:GLU:HG3	19	0.6
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	5	0.6
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	9	0.6
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	10	0.6
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	10	0.6
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	10	0.6
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	9	0.6
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	15	0.6
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	3	0.6
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	3	0.6
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	3	0.6
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	16	0.6
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	16	0.6
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	16	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	2	0.6
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	2	0.6
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	2	0.6
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	11	0.6
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	11	0.6
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	11	0.6
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	13	0.6
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	13	0.6
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	13	0.6
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	16	0.6
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	16	0.6
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	16	0.6
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	12	0.6
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	1	0.6
(2,2438)	1:4:A:LEU:HB2	1:5:A:LEU:H	11	0.6
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	16	0.6
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	9	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	1	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	1	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	1	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	4	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	4	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	4	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	5	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	5	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	5	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	6	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	6	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	6	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	8	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	8	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	8	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	11	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	11	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	11	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	12	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	12	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	12	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	13	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	13	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	13	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	14	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	14	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	14	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	17	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	17	0.6
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	17	0.6
(2,2249)	1:8:A:GLN:HG2	1:8:A:GLN:HE21	2	0.6
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	14	0.6
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	6	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	1	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	2	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	3	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	4	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	6	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	7	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	10	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	11	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	13	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	15	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	17	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	18	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	19	0.6
(2,2142)	1:30:A:LEU:HB2	1:30:A:LEU:HA	20	0.6
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	4	0.6
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	5	0.6
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	6	0.6
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	7	0.6
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	8	0.6
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	9	0.6
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	10	0.6
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	14	0.6
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	16	0.6
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	19	0.6
(2,2136)	1:111:A:PHE:HA	1:112:A:GLY:H	17	0.6
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	1	0.6
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	1	0.6
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	1	0.6
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	11	0.6
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	11	0.6
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	11	0.6
(2,2134)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	12	0.6
(2,2134)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	12	0.6
(2,2134)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	12	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	11	0.6
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	17	0.6
(2,2043)	1:118:A:LEU:HG	1:118:A:LEU:H	17	0.6
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	10	0.6
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	16	0.6
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	17	0.6
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	19	0.6
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	2	0.6
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	2	0.6
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	2	0.6
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	4	0.6
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	4	0.6
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	4	0.6
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	6	0.6
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	6	0.6
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	6	0.6
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	12	0.6
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	12	0.6
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	12	0.6
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	14	0.6
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	14	0.6
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	14	0.6
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	16	0.6
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	16	0.6
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	16	0.6
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	5	0.6
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	20	0.6
(2,1807)	1:34:A:PRO:HG2	1:34:A:PRO:HB2	18	0.6
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	1	0.6
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	2	0.6
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	7	0.6
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	12	0.6
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	13	0.6
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	14	0.6
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	18	0.6
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	16	0.6
(2,1600)	1:118:A:LEU:HD21	1:119:A:SER:H	4	0.6
(2,1600)	1:118:A:LEU:HD22	1:119:A:SER:H	4	0.6
(2,1600)	1:118:A:LEU:HD23	1:119:A:SER:H	4	0.6
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	7	0.6
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	9	0.6
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	9	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	4	0.6
(2,1492)	1:120:A:LYS:HG3	1:120:A:LYS:HA	19	0.6
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	6	0.6
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	11	0.6
(2,1403)	1:115:A:TRP:HE3	1:115:A:TRP:HB3	20	0.6
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	3	0.6
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	19	0.6
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	13	0.6
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	2	0.6
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	4	0.6
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	17	0.6
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	9	0.6
(2,1213)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	4	0.6
(2,1213)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	8	0.6
(2,1213)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	16	0.6
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	11	0.6
(2,1171)	1:10:A:LYS:HG2	1:10:A:LYS:H	18	0.6
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	1	0.6
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	5	0.6
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	9	0.6
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	11	0.6
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	16	0.6
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	18	0.6
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	15	0.6
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	20	0.6
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	6	0.6
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	9	0.6
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	16	0.6
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	20	0.6
(2,1049)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	6	0.6
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	11	0.6
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	11	0.6
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	11	0.6
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	12	0.6
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	12	0.6
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	12	0.6
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	14	0.6
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	14	0.6
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	14	0.6
(2,1019)	1:106:A:ASN:HB2	1:106:A:ASN:HA	16	0.6
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	6	0.6
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	15	0.6
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	16	0.6
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	17	0.6
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	19	0.6
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	1	0.6
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	1	0.6
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	1	0.6
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	2	0.6
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	2	0.6
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	2	0.6
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	3	0.6
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	3	0.6
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	3	0.6
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	4	0.6
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	4	0.6
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	4	0.6
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	6	0.6
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	6	0.6
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	6	0.6
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	11	0.6
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	11	0.6
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	11	0.6
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	17	0.6
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	17	0.6
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	17	0.6
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	18	0.6
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	18	0.6
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	18	0.6
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	19	0.6
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	19	0.6
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	19	0.6
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	20	0.6
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	20	0.6
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	20	0.6
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	19	0.6
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	1	0.6
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	20	0.6
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	3	0.6
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	11	0.6
(2,764)	1:37:A:GLN:HA	1:38:A:ALA:H	19	0.6
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	17	0.6
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	19	0.6
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	19	0.6
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	19	0.6
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	19	0.6
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	19	0.6
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	19	0.6
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	19	0.6
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	19	0.6
(2,612)	1:23:A:ARG:HB3	1:23:A:ARG:H	11	0.6
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	7	0.6
(2,547)	1:68:A:LYS:HD2	1:68:A:LYS:HE2	14	0.6
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	6	0.6
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	12	0.6
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	19	0.6
(2,378)	1:13:A:ASP:HB3	1:13:A:ASP:H	1	0.6
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	11	0.6
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	20	0.6
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	5	0.6
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	20	0.6
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	6	0.6
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	7	0.6
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	14	0.6
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	11	0.6
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	18	0.6
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	7	0.6
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	10	0.6
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	10	0.6
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	10	0.6
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	12	0.6
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	12	0.6
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	12	0.6
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	12	0.6
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	12	0.6
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	12	0.6
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	7	0.6
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	14	0.6
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	14	0.6
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	14	0.6
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	14	0.6
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	14	0.6
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	14	0.6
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD1	16	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:156:A:ILE:HG21	1:59:A:TYR:HD2	16	0.6
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD1	16	0.6
(1,3)	1:156:A:ILE:HG22	1:59:A:TYR:HD2	16	0.6
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD1	16	0.6
(1,3)	1:156:A:ILE:HG23	1:59:A:TYR:HD2	16	0.6
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	11	0.59
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	19	0.59
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	16	0.59
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	20	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	1	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	2	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	4	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	6	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	8	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	9	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	10	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	12	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	13	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	14	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	15	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	16	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	17	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	18	0.59
(4,1432)	1:102:A:ASN:HD21	1:102:A:ASN:HD22	20	0.59
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	3	0.59
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	10	0.59
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	12	0.59
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	13	0.59
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	15	0.59
(4,1430)	1:140:A:LYS:HB2	1:141:A:GLY:H	3	0.59
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	10	0.59
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	19	0.59
(4,1370)	1:129:A:ASN:HB3	1:129:A:ASN:H	16	0.59
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	3	0.59
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	9	0.59
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	15	0.59
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	15	0.59
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	15	0.59
(4,1275)	1:136:A:LYS:H	1:135:A:GLY:H	10	0.59
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	18	0.59
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	4	0.59
(4,1188)	1:82:A:TYR:HB2	1:82:A:TYR:H	20	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	2	0.59
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	10	0.59
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	11	0.59
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	13	0.59
(4,1073)	1:67:A:ALA:H	1:66:A:GLY:H	20	0.59
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	12	0.59
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	16	0.59
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	16	0.59
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	16	0.59
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	1	0.59
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	16	0.59
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	3	0.59
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	3	0.59
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	7	0.59
(4,966)	1:2:A:ARG:HG3	1:2:A:ARG:H	8	0.59
(4,964)	1:136:A:LYS:HD2	1:137:A:ALA:H	14	0.59
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	18	0.59
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	8	0.59
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	20	0.59
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	6	0.59
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	18	0.59
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	13	0.59
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	3	0.59
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	3	0.59
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	3	0.59
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	6	0.59
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	6	0.59
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	6	0.59
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	10	0.59
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	10	0.59
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	10	0.59
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	13	0.59
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	13	0.59
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	13	0.59
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	15	0.59
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	15	0.59
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	15	0.59
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	17	0.59
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	17	0.59
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	17	0.59
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	13	0.59
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	20	0.59
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	10	0.59
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	15	0.59
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	10	0.59
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	13	0.59
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	5	0.59
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	15	0.59
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	16	0.59
(4,747)	1:167:A:ARG:HB3	1:168:A:GLY:H	17	0.59
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	5	0.59
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	4	0.59
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	15	0.59
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	10	0.59
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	17	0.59
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	1	0.59
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	20	0.59
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	1	0.59
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	8	0.59
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	2	0.59
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	4	0.59
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	14	0.59
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	2	0.59
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	2	0.59
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	14	0.59
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	10	0.59
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	2	0.59
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	6	0.59
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	13	0.59
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	5	0.59
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	5	0.59
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	5	0.59
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	7	0.59
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	7	0.59
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	7	0.59
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	17	0.59
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	17	0.59
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	17	0.59
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	8	0.59
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	10	0.59
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	15	0.59
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	16	0.59
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	13	0.59
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	18	0.59
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	13	0.59
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	5	0.59
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	6	0.59
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	1	0.59
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	11	0.59
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	3	0.59
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	15	0.59
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	3	0.59
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	3	0.59
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	3	0.59
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	8	0.59
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	8	0.59
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	8	0.59
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	14	0.59
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	18	0.59
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	5	0.59
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	5	0.59
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	8	0.59
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	8	0.59
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	12	0.59
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	12	0.59
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	13	0.59
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	13	0.59
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	15	0.59
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	15	0.59
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	9	0.59
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	9	0.59
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	9	0.59
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	9	0.59
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	9	0.59
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	9	0.59
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	8	0.59
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	8	0.59
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	13	0.59
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	13	0.59
(2,3203)	1:77:A:ARG:HG3	1:77:A:ARG:HA	11	0.59
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	2	0.59
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	2	0.59
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	2	0.59
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	3	0.59
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	3	0.59
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	10	0.59
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	10	0.59
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	10	0.59
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	2	0.59
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	6	0.59
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	8	0.59
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	16	0.59
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	3	0.59
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	5	0.59
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	8	0.59
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	7	0.59
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	16	0.59
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	3	0.59
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	19	0.59
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	14	0.59
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	20	0.59
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	1	0.59
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	4	0.59
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	5	0.59
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	8	0.59
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	12	0.59
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	15	0.59
(2,2955)	1:76:A:ASN:HA	1:76:A:ASN:HB3	20	0.59
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	19	0.59
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	4	0.59
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	6	0.59
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	8	0.59
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	11	0.59
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	1	0.59
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	3	0.59
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	8	0.59
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	10	0.59
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	11	0.59
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	12	0.59
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	14	0.59
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	17	0.59
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	18	0.59
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	20	0.59
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	1	0.59
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	17	0.59
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	10	0.59
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	5	0.59
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	12	0.59
(2,2820)	1:37:A:GLN:H	1:37:A:GLN:HA	19	0.59
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	3	0.59
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	12	0.59
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	13	0.59
(2,2788)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	18	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	3	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	3	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	3	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	13	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	13	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	13	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	17	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	17	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	17	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	19	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	19	0.59
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	19	0.59
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	2	0.59
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	13	0.59
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	18	0.59
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	19	0.59
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	7	0.59
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	7	0.59
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	7	0.59
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	12	0.59
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	12	0.59
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	12	0.59
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	15	0.59
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	15	0.59
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	15	0.59
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	1	0.59
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	1	0.59
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	1	0.59
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	6	0.59
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	7	0.59
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	10	0.59
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	13	0.59
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	17	0.59
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	1	0.59
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	2	0.59
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	3	0.59
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	6	0.59
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	7	0.59
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	8	0.59
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	9	0.59
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	10	0.59
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	13	0.59
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	15	0.59
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	19	0.59
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	20	0.59
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	2	0.59
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	5	0.59
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	12	0.59
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	16	0.59
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	20	0.59
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	3	0.59
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	3	0.59
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	3	0.59
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	6	0.59
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	6	0.59
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	6	0.59
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	9	0.59
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	9	0.59
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	9	0.59
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	6	0.59
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	1	0.59
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	2	0.59
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	6	0.59
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	7	0.59
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	8	0.59
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	10	0.59
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	15	0.59
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	18	0.59
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	2	0.59
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	2	0.59
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	2	0.59
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	7	0.59
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	7	0.59
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	8	0.59
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	8	0.59
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	8	0.59
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	1	0.59
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	1	0.59
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	1	0.59
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	20	0.59
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	20	0.59
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	20	0.59
(2,2522)	1:4:A:LEU:HD11	1:4:A:LEU:H	7	0.59
(2,2522)	1:4:A:LEU:HD12	1:4:A:LEU:H	7	0.59
(2,2522)	1:4:A:LEU:HD13	1:4:A:LEU:H	7	0.59
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	9	0.59
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	4	0.59
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	1	0.59
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	3	0.59
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	4	0.59
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	5	0.59
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	7	0.59
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	8	0.59
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	10	0.59
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	11	0.59
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	16	0.59
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	20	0.59
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	8	0.59
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	16	0.59
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	13	0.59
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	7	0.59
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	12	0.59
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	18	0.59
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG21	20	0.59
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG22	20	0.59
(2,2279)	1:134:A:ILE:H	1:134:A:ILE:HG23	20	0.59
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	5	0.59
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	5	0.59
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	5	0.59
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	10	0.59
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	17	0.59
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	11	0.59
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	16	0.59
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	1	0.59
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	3	0.59
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	4	0.59
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	8	0.59
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	11	0.59
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	3	0.59
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	12	0.59
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	13	0.59
(2,2138)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	18	0.59
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	5	0.59
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	7	0.59
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	4	0.59
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	7	0.59
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	9	0.59
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	11	0.59
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	13	0.59
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	14	0.59
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	15	0.59
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	18	0.59
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	20	0.59
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	1	0.59
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	3	0.59
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	12	0.59
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	20	0.59
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	3	0.59
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	3	0.59
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	3	0.59
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	5	0.59
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	5	0.59
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	5	0.59
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	10	0.59
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	10	0.59
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	10	0.59
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	13	0.59
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	13	0.59
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	13	0.59
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	18	0.59
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	18	0.59
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	18	0.59
(2,1901)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	19	0.59
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	6	0.59
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	18	0.59
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	10	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	11	0.59
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	16	0.59
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	17	0.59
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	2	0.59
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	14	0.59
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	3	0.59
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	10	0.59
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	11	0.59
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	12	0.59
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	20	0.59
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	5	0.59
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	9	0.59
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	20	0.59
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	19	0.59
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	9	0.59
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	20	0.59
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	20	0.59
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	2	0.59
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	1	0.59
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	6	0.59
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	9	0.59
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	17	0.59
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	7	0.59
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	7	0.59
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	7	0.59
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	13	0.59
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	13	0.59
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	13	0.59
(2,1282)	1:9:A:VAL:HG21	1:8:A:GLN:H	20	0.59
(2,1282)	1:9:A:VAL:HG22	1:8:A:GLN:H	20	0.59
(2,1282)	1:9:A:VAL:HG23	1:8:A:GLN:H	20	0.59
(2,1213)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	5	0.59
(2,1213)	1:2:A:ARG:HD3	1:2:A:ARG:HG3	19	0.59
(2,1209)	1:77:A:ARG:HA	1:77:A:ARG:HB2	4	0.59
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	3	0.59
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	6	0.59
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	7	0.59
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	10	0.59
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	11	0.59
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	12	0.59
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	14	0.59
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	8	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	16	0.59
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	2	0.59
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	13	0.59
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	12	0.59
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	7	0.59
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	7	0.59
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	7	0.59
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	8	0.59
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	8	0.59
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	8	0.59
(2,914)	1:153:A:LEU:HD21	1:153:A:LEU:HB2	12	0.59
(2,914)	1:153:A:LEU:HD22	1:153:A:LEU:HB2	12	0.59
(2,914)	1:153:A:LEU:HD23	1:153:A:LEU:HB2	12	0.59
(2,898)	1:153:A:LEU:HD21	1:153:A:LEU:HA	14	0.59
(2,898)	1:153:A:LEU:HD22	1:153:A:LEU:HA	14	0.59
(2,898)	1:153:A:LEU:HD23	1:153:A:LEU:HA	14	0.59
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	13	0.59
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	5	0.59
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	10	0.59
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	6	0.59
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	7	0.59
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	9	0.59
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	10	0.59
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	13	0.59
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	18	0.59
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	8	0.59
(2,736)	1:30:A:LEU:HA	1:30:A:LEU:HG	15	0.59
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	3	0.59
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	13	0.59
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	13	0.59
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	13	0.59
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	20	0.59
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	20	0.59
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	20	0.59
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	2	0.59
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	19	0.59
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	8	0.59
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	11	0.59
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	20	0.59
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	17	0.59
(2,490)	1:11:A:GLN:HG2	1:12:A:GLY:H	20	0.59
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	1	0.59
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	5	0.59
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	10	0.59
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	20	0.59
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	2	0.59
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	7	0.59
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	8	0.59
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	11	0.59
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	13	0.59
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	5	0.59
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	1	0.59
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	9	0.59
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	11	0.59
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	14	0.59
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	16	0.59
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	14	0.59
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	14	0.59
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	14	0.59
(2,11)	1:15:A:LEU:HD21	1:16:A:ASN:H	20	0.59
(2,11)	1:15:A:LEU:HD22	1:16:A:ASN:H	20	0.59
(2,11)	1:15:A:LEU:HD23	1:16:A:ASN:H	20	0.59
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	1	0.59
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	1	0.59
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	1	0.59
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	1	0.59
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	1	0.59
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	1	0.59
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	3	0.59
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	3	0.59
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	3	0.59
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	17	0.59
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	17	0.59
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	17	0.59
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	1	0.58
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	5	0.58
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	15	0.58
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	5	0.58
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	6	0.58
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	8	0.58
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	15	0.58
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	1	0.58
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	1	0.58
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	12	0.58
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	12	0.58
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	12	0.58
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	17	0.58
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	17	0.58
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	17	0.58
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	9	0.58
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	6	0.58
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	6	0.58
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	13	0.58
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	3	0.58
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	4	0.58
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	5	0.58
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	7	0.58
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	15	0.58
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	18	0.58
(4,1112)	1:115:A:TRP:H	1:117:A:SER:H	11	0.58
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	19	0.58
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	8	0.58
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	2	0.58
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	14	0.58
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	10	0.58
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	18	0.58
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	19	0.58
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	1	0.58
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	2	0.58
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	8	0.58
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	14	0.58
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	16	0.58
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	1	0.58
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	1	0.58
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	18	0.58
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	8	0.58
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	9	0.58
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	14	0.58
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	16	0.58
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	19	0.58
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	20	0.58
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	20	0.58
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	20	0.58
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	7	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	10	0.58
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	10	0.58
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	1	0.58
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	3	0.58
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	6	0.58
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	8	0.58
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	12	0.58
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	12	0.58
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	18	0.58
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	5	0.58
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	12	0.58
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	8	0.58
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	19	0.58
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	4	0.58
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	5	0.58
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	7	0.58
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	10	0.58
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	17	0.58
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	15	0.58
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	1	0.58
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	10	0.58
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	20	0.58
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	7	0.58
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	10	0.58
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	15	0.58
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	16	0.58
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	12	0.58
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	17	0.58
(4,415)	1:99:A:TYR:HA	1:100:A:ILE:H	14	0.58
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	9	0.58
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	1	0.58
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	1	0.58
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	1	0.58
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	4	0.58
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	4	0.58
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	4	0.58
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	10	0.58
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	10	0.58
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	10	0.58
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	13	0.58
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	12	0.58
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	1	0.58
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	6	0.58
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	7	0.58
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	12	0.58
(4,130)	1:77:A:ARG:HG2	1:77:A:ARG:H	4	0.58
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	16	0.58
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	6	0.58
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	13	0.58
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	13	0.58
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	15	0.58
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	15	0.58
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	14	0.58
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	14	0.58
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	18	0.58
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	18	0.58
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	20	0.58
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	20	0.58
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	20	0.58
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	20	0.58
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	20	0.58
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	20	0.58
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	7	0.58
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	11	0.58
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	12	0.58
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	6	0.58
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	6	0.58
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	6	0.58
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	12	0.58
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	12	0.58
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	12	0.58
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	13	0.58
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	13	0.58
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	13	0.58
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	17	0.58
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	17	0.58
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	17	0.58
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	14	0.58
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	4	0.58
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	10	0.58
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	15	0.58
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	17	0.58
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	5	0.58
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	12	0.58
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	6	0.58
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	9	0.58
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	13	0.58
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	1	0.58
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	16	0.58
(2,2866)	1:111:A:PHE:H	1:111:A:PHE:HB3	19	0.58
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	2	0.58
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	5	0.58
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	6	0.58
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	7	0.58
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	9	0.58
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	15	0.58
(2,2857)	1:77:A:ARG:HA	1:77:A:ARG:HB3	19	0.58
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	7	0.58
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	11	0.58
(2,2812)	1:44:A:GLN:HG3	1:44:A:GLN:HE22	13	0.58
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	3	0.58
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	4	0.58
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	5	0.58
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	11	0.58
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	12	0.58
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	15	0.58
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	17	0.58
(2,2758)	1:156:A:ILE:HD11	1:156:A:ILE:HA	20	0.58
(2,2758)	1:156:A:ILE:HD12	1:156:A:ILE:HA	20	0.58
(2,2758)	1:156:A:ILE:HD13	1:156:A:ILE:HA	20	0.58
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	2	0.58
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	4	0.58
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	12	0.58
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	16	0.58
(2,2726)	1:144:A:ARG:HB3	1:144:A:ARG:H	11	0.58
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	8	0.58
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	12	0.58
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	5	0.58
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	5	0.58
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	5	0.58
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	12	0.58
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	12	0.58
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	12	0.58
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	17	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	17	0.58
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	17	0.58
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	11	0.58
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	14	0.58
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	16	0.58
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	19	0.58
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	20	0.58
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	5	0.58
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	12	0.58
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	5	0.58
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	5	0.58
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	5	0.58
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	13	0.58
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	13	0.58
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	13	0.58
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	15	0.58
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	15	0.58
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	15	0.58
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	17	0.58
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	17	0.58
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	17	0.58
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	18	0.58
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	18	0.58
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	18	0.58
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	19	0.58
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	19	0.58
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	19	0.58
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	20	0.58
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	20	0.58
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	20	0.58
(2,2531)	1:24:A:ILE:HG21	1:19:A:ALA:HA	7	0.58
(2,2531)	1:24:A:ILE:HG22	1:19:A:ALA:HA	7	0.58
(2,2531)	1:24:A:ILE:HG23	1:19:A:ALA:HA	7	0.58
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	15	0.58
(2,2514)	1:60:A:HIS:HB3	1:61:A:ILE:H	8	0.58
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	2	0.58
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	6	0.58
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	9	0.58
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	13	0.58
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	14	0.58
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	17	0.58
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	18	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2470)	1:33:A:ASN:HB2	1:33:A:ASN:HD22	19	0.58
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	18	0.58
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	19	0.58
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	5	0.58
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	6	0.58
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	16	0.58
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	16	0.58
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	16	0.58
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	15	0.58
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	4	0.58
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	12	0.58
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	13	0.58
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	14	0.58
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	15	0.58
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	18	0.58
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	19	0.58
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	18	0.58
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	5	0.58
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	12	0.58
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	15	0.58
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	17	0.58
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	18	0.58
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	20	0.58
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	6	0.58
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	20	0.58
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	19	0.58
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	1	0.58
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	6	0.58
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	8	0.58
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	2	0.58
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	4	0.58
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	5	0.58
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	6	0.58
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	8	0.58
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	14	0.58
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	15	0.58
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	17	0.58
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	15	0.58
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	15	0.58
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	15	0.58
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	7	0.58
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1901)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	3	0.58
(2,1901)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	11	0.58
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	1	0.58
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	10	0.58
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	12	0.58
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	14	0.58
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	15	0.58
(2,1806)	1:80:A:LYS:HD3	1:80:A:LYS:HE2	3	0.58
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	4	0.58
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	6	0.58
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	8	0.58
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	14	0.58
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	16	0.58
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	18	0.58
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	19	0.58
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	1	0.58
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	2	0.58
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	7	0.58
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	14	0.58
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	15	0.58
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	2	0.58
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	2	0.58
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	2	0.58
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	9	0.58
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	9	0.58
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	9	0.58
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	12	0.58
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	12	0.58
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	12	0.58
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	2	0.58
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	4	0.58
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	6	0.58
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	7	0.58
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	12	0.58
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	17	0.58
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	19	0.58
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	8	0.58
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	10	0.58
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	18	0.58
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	5	0.58
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	13	0.58
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	13	0.58
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	1	0.58
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	18	0.58
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	14	0.58
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD21	6	0.58
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD22	6	0.58
(2,1114)	1:103:A:ARG:HD3	1:116:A:LEU:HD23	6	0.58
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	10	0.58
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	12	0.58
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	13	0.58
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	19	0.58
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	3	0.58
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	4	0.58
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	5	0.58
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	11	0.58
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	12	0.58
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	15	0.58
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	17	0.58
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	18	0.58
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	19	0.58
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	7	0.58
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	15	0.58
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	15	0.58
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	16	0.58
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	2	0.58
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	1	0.58
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	8	0.58
(2,854)	1:80:A:LYS:HB3	1:80:A:LYS:H	15	0.58
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	17	0.58
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	20	0.58
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	20	0.58
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	14	0.58
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	15	0.58
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	16	0.58
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	5	0.58
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	6	0.58
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	8	0.58
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	5	0.58
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	9	0.58
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	10	0.58
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	20	0.58
(2,672)	1:14:A:THR:HG21	1:14:A:THR:H	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:14:A:THR:HG22	1:14:A:THR:H	6	0.58
(2,672)	1:14:A:THR:HG23	1:14:A:THR:H	6	0.58
(2,667)	1:8:A:GLN:HG3	1:9:A:VAL:H	7	0.58
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	13	0.58
(2,646)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	18	0.58
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	14	0.58
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	14	0.58
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	14	0.58
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	20	0.58
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	20	0.58
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	20	0.58
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	1	0.58
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	2	0.58
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	3	0.58
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	6	0.58
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	12	0.58
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	14	0.58
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	15	0.58
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	18	0.58
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	5	0.58
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	8	0.58
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	9	0.58
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	15	0.58
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	2	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	1	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	1	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	1	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	2	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	2	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	2	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	3	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	3	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	3	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	4	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	4	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	4	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	5	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	5	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	5	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	6	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	6	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	7	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	7	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	7	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	8	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	8	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	8	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	11	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	11	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	11	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	12	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	12	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	12	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	13	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	13	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	13	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	14	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	14	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	14	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	15	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	15	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	15	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	17	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	17	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	17	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	18	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	18	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	18	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	19	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	19	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	19	0.58
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	20	0.58
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	20	0.58
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	20	0.58
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	19	0.58
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	11	0.58
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	2	0.58
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	7	0.58
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	13	0.58
(2,341)	1:116:A:LEU:HA	1:116:A:LEU:HG	6	0.58
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	14	0.58
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	9	0.58
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	20	0.58
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	18	0.58
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	18	0.58
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	18	0.58
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	16	0.58
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	4	0.58
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	8	0.58
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	15	0.58
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	19	0.58
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	20	0.58
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	3	0.58
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	3	0.58
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	3	0.58
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	9	0.58
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	1	0.57
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	5	0.57
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	8	0.57
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	10	0.57
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	13	0.57
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	16	0.57
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	12	0.57
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	16	0.57
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	7	0.57
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	16	0.57
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	2	0.57
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	6	0.57
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	14	0.57
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	14	0.57
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	14	0.57
(4,1328)	1:37:A:GLN:HG3	1:37:A:GLN:HE21	3	0.57
(4,1328)	1:37:A:GLN:HG3	1:37:A:GLN:HE21	13	0.57
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	3	0.57
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	9	0.57
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	9	0.57
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	12	0.57
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	17	0.57
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	19	0.57
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	4	0.57
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	6	0.57
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	8	0.57
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	9	0.57
(4,1035)	1:89:A:ILE:HG21	1:90:A:LEU:H	18	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1035)	1:89:A:ILE:HG22	1:90:A:LEU:H	18	0.57
(4,1035)	1:89:A:ILE:HG23	1:90:A:LEU:H	18	0.57
(4,1008)	1:8:A:GLN:HG3	1:8:A:GLN:HE21	2	0.57
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	19	0.57
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	11	0.57
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	20	0.57
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	15	0.57
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	16	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	2	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	3	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	4	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	5	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	7	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	9	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	11	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	12	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	15	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	17	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	18	0.57
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	20	0.57
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	20	0.57
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	4	0.57
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	1	0.57
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	9	0.57
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	14	0.57
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	11	0.57
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	3	0.57
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	15	0.57
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	19	0.57
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	12	0.57
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	18	0.57
(4,625)	1:56:A:THR:H	1:55:A:TYR:H	13	0.57
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	2	0.57
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	13	0.57
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	17	0.57
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	9	0.57
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	14	0.57
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	8	0.57
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	8	0.57
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	1	0.57
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	3	0.57
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	8	0.57
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	9	0.57
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	11	0.57
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	12	0.57
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	13	0.57
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	15	0.57
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	16	0.57
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	18	0.57
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	19	0.57
(4,561)	1:162:A:ARG:HA	1:162:A:ARG:H	20	0.57
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	6	0.57
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	9	0.57
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	17	0.57
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	5	0.57
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	14	0.57
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	19	0.57
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	20	0.57
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	4	0.57
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	9	0.57
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	19	0.57
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	8	0.57
(4,429)	1:72:A:LEU:HB2	1:72:A:LEU:H	3	0.57
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	3	0.57
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	14	0.57
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	12	0.57
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	12	0.57
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	12	0.57
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	20	0.57
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	6	0.57
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	9	0.57
(4,274)	1:167:A:ARG:HA	1:167:A:ARG:H	19	0.57
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	11	0.57
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	12	0.57
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	16	0.57
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	7	0.57
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	14	0.57
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	20	0.57
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	2	0.57
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD1	2	0.57
(3,69)	1:22:A:PHE:HA	1:22:A:PHE:HD2	2	0.57
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	10	0.57
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	14	0.57
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	14	0.57
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	3	0.57
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	3	0.57
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	3	0.57
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	3	0.57
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	3	0.57
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	3	0.57
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	10	0.57
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	10	0.57
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	10	0.57
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	10	0.57
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	2	0.57
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	3	0.57
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	5	0.57
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	9	0.57
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	16	0.57
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	19	0.57
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	5	0.57
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	5	0.57
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	5	0.57
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	19	0.57
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	19	0.57
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	19	0.57
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	3	0.57
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	5	0.57
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	9	0.57
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	12	0.57
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	14	0.57
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	18	0.57
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	6	0.57
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	16	0.57
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	12	0.57
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	8	0.57
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	2	0.57
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	2	0.57
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	9	0.57
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	1	0.57
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	10	0.57
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	12	0.57
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	14	0.57
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	16	0.57
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	17	0.57
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	18	0.57
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	18	0.57
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	2	0.57
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	19	0.57
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	2	0.57
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	4	0.57
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	5	0.57
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	9	0.57
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	12	0.57
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	13	0.57
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	18	0.57
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	19	0.57
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	20	0.57
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	5	0.57
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	2	0.57
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	18	0.57
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	19	0.57
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	1	0.57
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	7	0.57
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	10	0.57
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	16	0.57
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	20	0.57
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	4	0.57
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	4	0.57
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	4	0.57
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	4	0.57
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	14	0.57
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	14	0.57
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	14	0.57
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	15	0.57
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	15	0.57
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	15	0.57
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	19	0.57
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	19	0.57
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	19	0.57
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	5	0.57
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	8	0.57
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	12	0.57
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	14	0.57
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	15	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	3	0.57
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	4	0.57
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	5	0.57
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	12	0.57
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	13	0.57
(2,2565)	1:79:A:MET:HB2	1:79:A:MET:HA	17	0.57
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	8	0.57
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	20	0.57
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	4	0.57
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	4	0.57
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	4	0.57
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	6	0.57
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	6	0.57
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	6	0.57
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	10	0.57
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	10	0.57
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	10	0.57
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	11	0.57
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	11	0.57
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	11	0.57
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	12	0.57
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	12	0.57
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	12	0.57
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	14	0.57
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	14	0.57
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	14	0.57
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	1	0.57
(2,2499)	1:36:A:LEU:HA	1:36:A:LEU:HG	15	0.57
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	8	0.57
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	9	0.57
(2,2449)	1:35:A:SER:HB3	1:35:A:SER:H	14	0.57
(2,2429)	1:80:A:LYS:HB3	1:80:A:LYS:HD2	13	0.57
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	8	0.57
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	12	0.57
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	2	0.57
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	3	0.57
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	20	0.57
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	11	0.57
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	1	0.57
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	7	0.57
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	9	0.57
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	13	0.57
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	16	0.57
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	19	0.57
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	14	0.57
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	1	0.57
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	8	0.57
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	1	0.57
(2,1989)	1:91:A:THR:HB	1:91:A:THR:HA	12	0.57
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	10	0.57
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	11	0.57
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	13	0.57
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	16	0.57
(2,1919)	1:46:A:ILE:HG21	1:47:A:VAL:H	8	0.57
(2,1919)	1:46:A:ILE:HG22	1:47:A:VAL:H	8	0.57
(2,1919)	1:46:A:ILE:HG23	1:47:A:VAL:H	8	0.57
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	11	0.57
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	16	0.57
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	1	0.57
(2,1901)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	2	0.57
(2,1901)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	9	0.57
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	2	0.57
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	9	0.57
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	11	0.57
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	13	0.57
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	16	0.57
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	17	0.57
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	14	0.57
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	1	0.57
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	2	0.57
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	13	0.57
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	17	0.57
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	3	0.57
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	4	0.57
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	13	0.57
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	16	0.57
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	18	0.57
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	19	0.57
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	11	0.57
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	14	0.57
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	9	0.57
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	5	0.57
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	8	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	14	0.57
(2,1382)	1:129:A:ASN:HB3	1:129:A:ASN:HA	15	0.57
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	1	0.57
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	15	0.57
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	3	0.57
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	7	0.57
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	13	0.57
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	14	0.57
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	15	0.57
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	20	0.57
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	1	0.57
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	8	0.57
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	15	0.57
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	19	0.57
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	19	0.57
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	19	0.57
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	19	0.57
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	20	0.57
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	13	0.57
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	20	0.57
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	1	0.57
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	4	0.57
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	6	0.57
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	17	0.57
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	1	0.57
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	1	0.57
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	7	0.57
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	10	0.57
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	1	0.57
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	1	0.57
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	1	0.57
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	2	0.57
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	2	0.57
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	2	0.57
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	10	0.57
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	10	0.57
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	10	0.57
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	13	0.57
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	13	0.57
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	13	0.57
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	5	0.57
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	9	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	10	0.57
(2,971)	1:153:A:LEU:HG	1:153:A:LEU:HB2	13	0.57
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	4	0.57
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	12	0.57
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	5	0.57
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	11	0.57
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	17	0.57
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	18	0.57
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	13	0.57
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	6	0.57
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	9	0.57
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	13	0.57
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	10	0.57
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	2	0.57
(2,767)	1:136:A:LYS:HG3	1:136:A:LYS:HA	19	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	1	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	2	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	3	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	4	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	7	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	9	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	10	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	11	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	12	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	13	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	14	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	15	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	16	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	17	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	18	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	19	0.57
(2,766)	1:148:A:LYS:HB2	1:148:A:LYS:HB3	20	0.57
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	1	0.57
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	13	0.57
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	16	0.57
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	16	0.57
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	16	0.57
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	16	0.57
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	16	0.57
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	16	0.57
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	16	0.57
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	16	0.57
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	16	0.57
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	17	0.57
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	17	0.57
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	17	0.57
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	17	0.57
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	17	0.57
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	17	0.57
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	17	0.57
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	17	0.57
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	17	0.57
(2,640)	1:11:A:GLN:HG3	1:11:A:GLN:H	17	0.57
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	13	0.57
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	16	0.57
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	1	0.57
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	3	0.57
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	9	0.57
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	9	0.57
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	9	0.57
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	10	0.57
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	10	0.57
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	10	0.57
(2,451)	1:78:A:VAL:HG11	1:78:A:VAL:H	16	0.57
(2,451)	1:78:A:VAL:HG12	1:78:A:VAL:H	16	0.57
(2,451)	1:78:A:VAL:HG13	1:78:A:VAL:H	16	0.57
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	14	0.57
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	1	0.57
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	3	0.57
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	6	0.57
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	10	0.57
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	12	0.57
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	14	0.57
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	15	0.57
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	17	0.57
(2,267)	1:11:A:GLN:HA	1:11:A:GLN:HB2	6	0.57
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	1	0.57
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	10	0.57
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	13	0.57
(2,187)	1:151:A:ILE:HG12	1:152:A:GLU:H	1	0.57
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	3	0.57
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	9	0.57
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	2	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	5	0.57
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	18	0.57
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	14	0.57
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	14	0.57
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	14	0.57
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	4	0.57
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	13	0.56
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	2	0.56
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	3	0.56
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	4	0.56
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	6	0.56
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	7	0.56
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	9	0.56
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	11	0.56
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	17	0.56
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	18	0.56
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	2	0.56
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	5	0.56
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	3	0.56
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	6	0.56
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	9	0.56
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	13	0.56
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	14	0.56
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	7	0.56
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	10	0.56
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	11	0.56
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	12	0.56
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	15	0.56
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	6	0.56
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	6	0.56
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	6	0.56
(4,1328)	1:37:A:GLN:HG3	1:37:A:GLN:HE21	5	0.56
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	3	0.56
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	3	0.56
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	3	0.56
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	7	0.56
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	7	0.56
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	7	0.56
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	13	0.56
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	13	0.56
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	13	0.56
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	15	0.56
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	1	0.56
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	4	0.56
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	5	0.56
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	18	0.56
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	1	0.56
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	14	0.56
(4,1014)	1:20:A:ALA:H	1:21:A:ASP:H	8	0.56
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	9	0.56
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	15	0.56
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	16	0.56
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	10	0.56
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	3	0.56
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	2	0.56
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	7	0.56
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	20	0.56
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	15	0.56
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	1	0.56
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	6	0.56
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	8	0.56
(4,818)	1:74:A:LEU:HA	1:75:A:ASN:H	10	0.56
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	4	0.56
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	15	0.56
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	18	0.56
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	11	0.56
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	7	0.56
(4,768)	1:13:A:ASP:HB3	1:14:A:THR:H	18	0.56
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	1	0.56
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	17	0.56
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	20	0.56
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	1	0.56
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	4	0.56
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	6	0.56
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	12	0.56
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	17	0.56
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	6	0.56
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	6	0.56
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	6	0.56
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	15	0.56
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	15	0.56
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	15	0.56
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	10	0.56
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	12	0.56
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	16	0.56
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	4	0.56
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	3	0.56
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	6	0.56
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	11	0.56
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	18	0.56
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	2	0.56
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	4	0.56
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	9	0.56
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	8	0.56
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	6	0.56
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	6	0.56
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	6	0.56
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	8	0.56
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	9	0.56
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	16	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	1	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	2	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	3	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	4	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	5	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	6	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	7	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	8	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	9	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	10	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	11	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	12	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	13	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	15	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	16	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	17	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	18	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	19	0.56
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	20	0.56
(4,247)	1:15:A:LEU:HD11	1:16:A:ASN:H	14	0.56
(4,247)	1:15:A:LEU:HD12	1:16:A:ASN:H	14	0.56
(4,247)	1:15:A:LEU:HD13	1:16:A:ASN:H	14	0.56
(4,243)	1:3:A:LYS:H	1:2:A:ARG:HG3	15	0.56
(4,215)	1:89:A:ILE:H	1:88:A:LYS:HB3	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	12	0.56
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	15	0.56
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	16	0.56
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	13	0.56
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	4	0.56
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	4	0.56
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	4	0.56
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	17	0.56
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	19	0.56
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	2	0.56
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	8	0.56
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	14	0.56
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	19	0.56
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD1	18	0.56
(3,47)	1:90:A:LEU:HD21	1:123:A:TYR:HD2	18	0.56
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD1	18	0.56
(3,47)	1:90:A:LEU:HD22	1:123:A:TYR:HD2	18	0.56
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD1	18	0.56
(3,47)	1:90:A:LEU:HD23	1:123:A:TYR:HD2	18	0.56
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	9	0.56
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	9	0.56
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	9	0.56
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	9	0.56
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	9	0.56
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	9	0.56
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	13	0.56
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	13	0.56
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	13	0.56
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	13	0.56
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	13	0.56
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	13	0.56
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	19	0.56
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	19	0.56
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	19	0.56
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	19	0.56
(2,3163)	1:70:A:LEU:HD11	1:70:A:LEU:HA	14	0.56
(2,3163)	1:70:A:LEU:HD12	1:70:A:LEU:HA	14	0.56
(2,3163)	1:70:A:LEU:HD13	1:70:A:LEU:HA	14	0.56
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	8	0.56
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	8	0.56
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	8	0.56
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3120)	1:33:A:ASN:H	1:34:A:PRO:HA	15	0.56
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	9	0.56
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	3	0.56
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	4	0.56
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	7	0.56
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	18	0.56
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	2	0.56
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	3	0.56
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	7	0.56
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	8	0.56
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	11	0.56
(2,2933)	1:58:A:PRO:HD2	1:58:A:PRO:HA	20	0.56
(2,2892)	1:80:A:LYS:HA	1:81:A:THR:H	5	0.56
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	3	0.56
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	6	0.56
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	8	0.56
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	15	0.56
(2,2854)	1:68:A:LYS:HD3	1:68:A:LYS:HG3	16	0.56
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	8	0.56
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	13	0.56
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	1	0.56
(2,2789)	1:36:A:LEU:HG	1:36:A:LEU:H	15	0.56
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	7	0.56
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	7	0.56
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	7	0.56
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	20	0.56
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	20	0.56
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	20	0.56
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	8	0.56
(2,2744)	1:9:A:VAL:HG21	1:10:A:LYS:H	8	0.56
(2,2744)	1:9:A:VAL:HG22	1:10:A:LYS:H	8	0.56
(2,2744)	1:9:A:VAL:HG23	1:10:A:LYS:H	8	0.56
(2,2737)	1:117:A:SER:HA	1:117:A:SER:HB3	18	0.56
(2,2699)	1:25:A:SER:HA	1:25:A:SER:HB3	11	0.56
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	3	0.56
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	8	0.56
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	8	0.56
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	8	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	1	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	2	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	3	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	6	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	7	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	9	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	10	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	11	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	13	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	16	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	17	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	18	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	19	0.56
(2,2585)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	20	0.56
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	6	0.56
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	13	0.56
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	16	0.56
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	12	0.56
(2,2550)	1:46:A:ILE:HD11	1:46:A:ILE:HA	9	0.56
(2,2550)	1:46:A:ILE:HD12	1:46:A:ILE:HA	9	0.56
(2,2550)	1:46:A:ILE:HD13	1:46:A:ILE:HA	9	0.56
(2,2524)	1:152:A:GLU:HG2	1:152:A:GLU:HA	18	0.56
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	8	0.56
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	15	0.56
(2,2333)	1:80:A:LYS:HB2	1:81:A:THR:H	14	0.56
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	4	0.56
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	5	0.56
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	10	0.56
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	12	0.56
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	13	0.56
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	14	0.56
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	16	0.56
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	17	0.56
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	20	0.56
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	15	0.56
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	1	0.56
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	2	0.56
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	3	0.56
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	6	0.56
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	12	0.56
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	13	0.56
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	15	0.56
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	18	0.56
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	2	0.56
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	20	0.56
(2,2190)	1:158:A:PRO:HD2	1:158:A:PRO:HA	14	0.56
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	10	0.56
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	18	0.56
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	19	0.56
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	16	0.56
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	7	0.56
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	13	0.56
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	9	0.56
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	16	0.56
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	6	0.56
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	18	0.56
(2,1931)	1:79:A:MET:HG2	1:79:A:MET:HB2	12	0.56
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	7	0.56
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	9	0.56
(2,1921)	1:11:A:GLN:H	1:10:A:LYS:HB2	18	0.56
(2,1901)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	7	0.56
(2,1901)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	12	0.56
(2,1901)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	16	0.56
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	8	0.56
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	3	0.56
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	4	0.56
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	5	0.56
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	7	0.56
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	8	0.56
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	19	0.56
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	14	0.56
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	2	0.56
(2,1732)	1:121:A:GLN:HG2	1:121:A:GLN:HB3	9	0.56
(2,1599)	1:147:A:ASN:HB3	1:147:A:ASN:H	15	0.56
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	8	0.56
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	10	0.56
(2,1490)	1:104:A:GLN:HB3	1:104:A:GLN:HG2	11	0.56
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	9	0.56
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	14	0.56
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	2	0.56
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	9	0.56
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	11	0.56
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	14	0.56
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	17	0.56
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	19	0.56
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	20	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	4	0.56
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	4	0.56
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	4	0.56
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	3	0.56
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	3	0.56
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	3	0.56
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	6	0.56
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	6	0.56
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	6	0.56
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	8	0.56
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	8	0.56
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	8	0.56
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	10	0.56
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	10	0.56
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	10	0.56
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	3	0.56
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	5	0.56
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	11	0.56
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	12	0.56
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	16	0.56
(2,1331)	1:101:A:ILE:HA	1:102:A:ASN:H	19	0.56
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	15	0.56
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	15	0.56
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	4	0.56
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	15	0.56
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	17	0.56
(2,1118)	1:14:A:THR:HB	1:14:A:THR:HA	6	0.56
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	8	0.56
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	2	0.56
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	3	0.56
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	9	0.56
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	11	0.56
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	3	0.56
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	13	0.56
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	15	0.56
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	8	0.56
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	8	0.56
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	3	0.56
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	3	0.56
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	3	0.56
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	6	0.56
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	6	0.56
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	18	0.56
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	18	0.56
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	18	0.56
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	19	0.56
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	19	0.56
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	19	0.56
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	3	0.56
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	6	0.56
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	10	0.56
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	12	0.56
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	16	0.56
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	4	0.56
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	16	0.56
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	19	0.56
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	9	0.56
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	11	0.56
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	13	0.56
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	12	0.56
(2,640)	1:11:A:GLN:HG3	1:11:A:GLN:H	11	0.56
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	16	0.56
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	2	0.56
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	2	0.56
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	2	0.56
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	10	0.56
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	10	0.56
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	10	0.56
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	13	0.56
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	13	0.56
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	13	0.56
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	17	0.56
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	2	0.56
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	10	0.56
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	11	0.56
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	9	0.56
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	15	0.56
(2,377)	1:120:A:LYS:HB2	1:121:A:GLN:H	17	0.56
(2,333)	1:51:A:LEU:HD11	1:51:A:LEU:HA	20	0.56
(2,333)	1:51:A:LEU:HD12	1:51:A:LEU:HA	20	0.56
(2,333)	1:51:A:LEU:HD13	1:51:A:LEU:HA	20	0.56
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	2	0.56
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	2	0.56
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	11	0.56
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	11	0.56
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	11	0.56
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	12	0.56
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	12	0.56
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	12	0.56
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	14	0.56
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	14	0.56
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	14	0.56
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	4	0.56
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	16	0.56
(2,223)	1:122:A:HIS:H	1:121:A:GLN:HB2	11	0.56
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	18	0.56
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	6	0.56
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	7	0.56
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	17	0.56
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	12	0.56
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	12	0.56
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	12	0.56
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	14	0.56
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	14	0.56
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	14	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	1	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	2	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	4	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	5	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	6	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	7	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	8	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	9	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	10	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	12	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	13	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	14	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	15	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	16	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	17	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	19	0.56
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	20	0.56
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	3	0.56
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	10	0.56
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	12	0.56
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	13	0.56
(2,99)	1:122:A:HIS:HA	1:122:A:HIS:H	17	0.56
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	3	0.56
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	3	0.56
(4,1529)	1:79:A:MET:H	1:80:A:LYS:H	3	0.55
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	12	0.55
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	14	0.55
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	19	0.55
(4,1522)	1:156:A:ILE:HG12	1:157:A:VAL:H	20	0.55
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	1	0.55
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	3	0.55
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	10	0.55
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	12	0.55
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	13	0.55
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	14	0.55
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	19	0.55
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	4	0.55
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	5	0.55
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	8	0.55
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	11	0.55
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	12	0.55
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	15	0.55
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	20	0.55
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	9	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	1	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	2	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	3	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	4	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	5	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	10	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	13	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	14	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	16	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	17	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	19	0.55
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	20	0.55
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	2	0.55
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	2	0.55
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	2	0.55
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	4	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	4	0.55
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	4	0.55
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	7	0.55
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	7	0.55
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	7	0.55
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	18	0.55
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	18	0.55
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	18	0.55
(4,1328)	1:37:A:GLN:HG3	1:37:A:GLN:HE21	1	0.55
(4,1328)	1:37:A:GLN:HG3	1:37:A:GLN:HE21	9	0.55
(4,1328)	1:37:A:GLN:HG3	1:37:A:GLN:HE21	10	0.55
(4,1328)	1:37:A:GLN:HG3	1:37:A:GLN:HE21	16	0.55
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	14	0.55
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	14	0.55
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	14	0.55
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	10	0.55
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	16	0.55
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	7	0.55
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	17	0.55
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	3	0.55
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	10	0.55
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	17	0.55
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	19	0.55
(4,1138)	1:24:A:ILE:HG12	1:24:A:ILE:H	13	0.55
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	5	0.55
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	7	0.55
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	14	0.55
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	15	0.55
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	11	0.55
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	19	0.55
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	4	0.55
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	17	0.55
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	20	0.55
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	19	0.55
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	1	0.55
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	2	0.55
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	12	0.55
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	20	0.55
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	20	0.55
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	10	0.55
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	14	0.55
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	19	0.55
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	14	0.55
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	1	0.55
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	2	0.55
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	2	0.55
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	2	0.55
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	1	0.55
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	13	0.55
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	18	0.55
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	3	0.55
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	11	0.55
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	20	0.55
(4,704)	1:77:A:ARG:HD3	1:78:A:VAL:H	3	0.55
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	11	0.55
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	19	0.55
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	10	0.55
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	1	0.55
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	2	0.55
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	9	0.55
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	18	0.55
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	2	0.55
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	4	0.55
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	3	0.55
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	3	0.55
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	3	0.55
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	8	0.55
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	2	0.55
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	9	0.55
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	13	0.55
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	16	0.55
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	9	0.55
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	19	0.55
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	3	0.55
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	13	0.55
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	19	0.55
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	4	0.55
(4,516)	1:136:A:LYS:H	1:135:A:GLY:H	10	0.55
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	8	0.55
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	8	0.55
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	8	0.55
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	13	0.55
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	5	0.55
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	8	0.55
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	9	0.55
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	16	0.55
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	19	0.55
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	16	0.55
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	14	0.55
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	14	0.55
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	14	0.55
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	16	0.55
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	16	0.55
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	16	0.55
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	20	0.55
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	20	0.55
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	20	0.55
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	4	0.55
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	14	0.55
(4,290)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	14	0.55
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	1	0.55
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	7	0.55
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	18	0.55
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	4	0.55
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	6	0.55
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	9	0.55
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	18	0.55
(4,148)	1:118:A:LEU:HD11	1:119:A:SER:H	14	0.55
(4,148)	1:118:A:LEU:HD12	1:119:A:SER:H	14	0.55
(4,148)	1:118:A:LEU:HD13	1:119:A:SER:H	14	0.55
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	5	0.55
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	10	0.55
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	13	0.55
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	18	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	2	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	2	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	2	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	2	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	2	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	2	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	5	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	5	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	5	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	5	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	5	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	6	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	6	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	6	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	6	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	6	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	6	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	15	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	15	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	15	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	15	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	15	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	15	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	16	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	16	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	16	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	16	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	16	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	16	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	19	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	19	0.55
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	19	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	19	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	19	0.55
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	19	0.55
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	2	0.55
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	2	0.55
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	2	0.55
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	2	0.55
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	3	0.55
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	16	0.55
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	16	0.55
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	16	0.55
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	9	0.55
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	2	0.55
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	11	0.55
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	11	0.55
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	19	0.55
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	1	0.55
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	13	0.55
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2824)	1:44:A:GLN:HG3	1:45:A:SER:H	14	0.55
(2,2772)	1:155:A:SER:HB2	1:155:A:SER:HA	14	0.55
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	2	0.55
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	2	0.55
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	2	0.55
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	11	0.55
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	11	0.55
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	11	0.55
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	13	0.55
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	13	0.55
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	13	0.55
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	16	0.55
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	16	0.55
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	16	0.55
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	20	0.55
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	1	0.55
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	2	0.55
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	3	0.55
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	4	0.55
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	7	0.55
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	2	0.55
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	5	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	1	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	2	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	3	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	4	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	5	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	6	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	7	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	9	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	10	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	11	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	12	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	13	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	14	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	16	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	17	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	18	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	19	0.55
(2,2389)	1:31:A:GLN:HG2	1:31:A:GLN:HG3	20	0.55
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	6	0.55
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	2	0.55
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	6	0.55
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	7	0.55
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	8	0.55
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	9	0.55
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	15	0.55
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	18	0.55
(2,2294)	1:72:A:LEU:HB2	1:72:A:LEU:HG	19	0.55
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	2	0.55
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	4	0.55
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	5	0.55
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	7	0.55
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	16	0.55
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	19	0.55
(2,2219)	1:121:A:GLN:HB2	1:121:A:GLN:HA	20	0.55
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	5	0.55
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	7	0.55
(2,2184)	1:166:A:ASN:HA	1:166:A:ASN:HB3	12	0.55
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	12	0.55
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	12	0.55
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	6	0.55
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	16	0.55
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	2	0.55
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	3	0.55
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	4	0.55
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	6	0.55
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	8	0.55
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	9	0.55
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	12	0.55
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	16	0.55
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	18	0.55
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	20	0.55
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	2	0.55
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	8	0.55
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	11	0.55
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	15	0.55
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	15	0.55
(2,1952)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	15	0.55
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	13	0.55
(2,1918)	1:37:A:GLN:H	1:36:A:LEU:HB3	20	0.55
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	7	0.55
(2,1901)	1:94:A:PRO:HD3	1:94:A:PRO:HB3	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	7	0.55
(2,1837)	1:131:A:PRO:HB3	1:131:A:PRO:HD2	20	0.55
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	18	0.55
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	1	0.55
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	2	0.55
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	6	0.55
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	11	0.55
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	12	0.55
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	16	0.55
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	17	0.55
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	20	0.55
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	17	0.55
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	2	0.55
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	6	0.55
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	7	0.55
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	20	0.55
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	2	0.55
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	1	0.55
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	3	0.55
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	4	0.55
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	5	0.55
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	7	0.55
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	8	0.55
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	10	0.55
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	12	0.55
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	13	0.55
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	15	0.55
(2,1413)	1:88:A:LYS:HA	1:88:A:LYS:HB2	16	0.55
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	16	0.55
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	16	0.55
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	16	0.55
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	2	0.55
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	2	0.55
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	2	0.55
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	4	0.55
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	4	0.55
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	4	0.55
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	5	0.55
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	5	0.55
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	5	0.55
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	9	0.55
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	9	0.55
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	13	0.55
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	13	0.55
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	13	0.55
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	14	0.55
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	14	0.55
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	14	0.55
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	17	0.55
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	17	0.55
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	17	0.55
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	12	0.55
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	4	0.55
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	6	0.55
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	17	0.55
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	7	0.55
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	4	0.55
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	2	0.55
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	13	0.55
(2,1140)	1:147:A:ASN:HB2	1:147:A:ASN:HD22	16	0.55
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	19	0.55
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	19	0.55
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	19	0.55
(2,1083)	1:34:A:PRO:HD2	1:33:A:ASN:H	7	0.55
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	8	0.55
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	10	0.55
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	14	0.55
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	19	0.55
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	20	0.55
(2,1063)	1:155:A:SER:HB2	1:155:A:SER:HA	14	0.55
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	4	0.55
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	4	0.55
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	4	0.55
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	5	0.55
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	5	0.55
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	5	0.55
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	7	0.55
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	7	0.55
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	7	0.55
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	15	0.55
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	15	0.55
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	15	0.55
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	17	0.55
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	17	0.55
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	5	0.55
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	18	0.55
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	2	0.55
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	3	0.55
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	9	0.55
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	14	0.55
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	20	0.55
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	8	0.55
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	15	0.55
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	14	0.55
(2,662)	1:148:A:LYS:HA	1:148:A:LYS:HG2	3	0.55
(2,640)	1:11:A:GLN:HG3	1:11:A:GLN:H	14	0.55
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	11	0.55
(2,600)	1:25:A:SER:HA	1:25:A:SER:HB3	20	0.55
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	9	0.55
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	10	0.55
(2,552)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	15	0.55
(2,485)	1:5:A:LEU:HD11	1:6:A:THR:H	20	0.55
(2,485)	1:5:A:LEU:HD12	1:6:A:THR:H	20	0.55
(2,485)	1:5:A:LEU:HD13	1:6:A:THR:H	20	0.55
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	3	0.55
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	7	0.55
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	12	0.55
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	18	0.55
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	20	0.55
(2,339)	1:56:A:THR:H	1:57:A:ILE:HB	10	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	4	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	4	0.55
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	4	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	5	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	5	0.55
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	5	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	6	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	6	0.55
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	6	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	7	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	7	0.55
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	7	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	8	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	8	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	9	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	9	0.55
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	9	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	10	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	10	0.55
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	10	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	13	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	13	0.55
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	13	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	15	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	15	0.55
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	15	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	16	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	16	0.55
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	16	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	17	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	17	0.55
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	17	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	18	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	18	0.55
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	18	0.55
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	20	0.55
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	20	0.55
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	20	0.55
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	20	0.55
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	20	0.55
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	20	0.55
(2,274)	1:23:A:ARG:HD3	1:23:A:ARG:HB3	18	0.55
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	10	0.55
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	9	0.55
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	18	0.55
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	19	0.55
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	2	0.55
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	2	0.55
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	2	0.55
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	15	0.55
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	15	0.55
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	15	0.55
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	19	0.55
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	19	0.55
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	19	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	11	0.55
(2,126)	1:2:A:ARG:HB2	1:2:A:ARG:HB3	18	0.55
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	2	0.55
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	13	0.55
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	2	0.55
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	3	0.55
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	4	0.54
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	19	0.54
(4,1492)	1:2:A:ARG:HB3	1:3:A:LYS:H	7	0.54
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	17	0.54
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	2	0.54
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	10	0.54
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	17	0.54
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	18	0.54
(4,1458)	1:46:A:ILE:HG12	1:47:A:VAL:H	19	0.54
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	5	0.54
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	9	0.54
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	16	0.54
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	19	0.54
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	1	0.54
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	7	0.54
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	8	0.54
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	9	0.54
(4,1384)	1:116:A:LEU:HA	1:117:A:SER:H	18	0.54
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	10	0.54
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	10	0.54
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	10	0.54
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	16	0.54
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	16	0.54
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	16	0.54
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	20	0.54
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	20	0.54
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	20	0.54
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	15	0.54
(4,1328)	1:37:A:GLN:HG3	1:37:A:GLN:HE21	20	0.54
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	4	0.54
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	4	0.54
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	4	0.54
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	5	0.54
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	5	0.54
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	5	0.54
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	12	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	12	0.54
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	12	0.54
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	17	0.54
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	17	0.54
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	17	0.54
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	19	0.54
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	19	0.54
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	19	0.54
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	16	0.54
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	10	0.54
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	6	0.54
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	8	0.54
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	12	0.54
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	14	0.54
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	16	0.54
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	12	0.54
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	16	0.54
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	6	0.54
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	7	0.54
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	14	0.54
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	20	0.54
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	7	0.54
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	3	0.54
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	14	0.54
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	7	0.54
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	4	0.54
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	5	0.54
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	6	0.54
(4,833)	1:76:A:ASN:HB2	1:76:A:ASN:HD21	14	0.54
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	11	0.54
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	11	0.54
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	11	0.54
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	3	0.54
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	14	0.54
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	15	0.54
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	8	0.54
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	12	0.54
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	3	0.54
(4,704)	1:77:A:ARG:HD3	1:78:A:VAL:H	17	0.54
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	7	0.54
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	5	0.54
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	3	0.54
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	10	0.54
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	14	0.54
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	9	0.54
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	1	0.54
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	1	0.54
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	1	0.54
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	4	0.54
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	1	0.54
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	6	0.54
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	9	0.54
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	10	0.54
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	12	0.54
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	13	0.54
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	18	0.54
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	14	0.54
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	4	0.54
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	11	0.54
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	18	0.54
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	1	0.54
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	13	0.54
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	17	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	1	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	2	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	3	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	4	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	6	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	7	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	8	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	9	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	10	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	11	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	12	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	14	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	15	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	16	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	18	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	19	0.54
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	20	0.54
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	20	0.54
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	15	0.54
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	10	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	11	0.54
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	3	0.54
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	4	0.54
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	11	0.54
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	14	0.54
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	17	0.54
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	12	0.54
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	1	0.54
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	2	0.54
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	5	0.54
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	8	0.54
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	5	0.54
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	16	0.54
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	20	0.54
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	5	0.54
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	18	0.54
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	19	0.54
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	11	0.54
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	20	0.54
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	12	0.54
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	14	0.54
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD1	5	0.54
(3,73)	1:55:A:TYR:HA	1:55:A:TYR:HD2	5	0.54
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	18	0.54
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	18	0.54
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	2	0.54
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	2	0.54
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	11	0.54
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	11	0.54
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	20	0.54
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	20	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	1	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	1	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	1	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	1	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	1	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	1	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	7	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	7	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	7	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	7	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	7	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	7	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	10	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	10	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	10	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	10	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	10	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	10	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	12	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	12	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	12	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	12	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	12	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	12	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	18	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	18	0.54
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	18	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	18	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	18	0.54
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	18	0.54
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	1	0.54
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	6	0.54
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	15	0.54
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	4	0.54
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	4	0.54
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	4	0.54
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	4	0.54
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	11	0.54
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	11	0.54
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	11	0.54
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	7	0.54
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	13	0.54
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	20	0.54
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	1	0.54
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	6	0.54
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	10	0.54
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	14	0.54
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	8	0.54
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	20	0.54
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	11	0.54
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	1	0.54
(2,2834)	1:80:A:LYS:HB2	1:80:A:LYS:HA	15	0.54
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	1	0.54
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	1	0.54
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	20	0.54
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	20	0.54
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	20	0.54
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	1	0.54
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	5	0.54
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	10	0.54
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	11	0.54
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	17	0.54
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	19	0.54
(2,2532)	1:167:A:ARG:HG2	1:167:A:ARG:HA	17	0.54
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	18	0.54
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	11	0.54
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	15	0.54
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	5	0.54
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	20	0.54
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	11	0.54
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	14	0.54
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	6	0.54
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	8	0.54
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	9	0.54
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	10	0.54
(2,2210)	1:3:A:LYS:HA	1:3:A:LYS:H	17	0.54
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	7	0.54
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	7	0.54
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	13	0.54
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	14	0.54
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	18	0.54
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	5	0.54
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	11	0.54
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	14	0.54
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	17	0.54
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	9	0.54
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	19	0.54
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	5	0.54
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	15	0.54
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	19	0.54
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	4	0.54
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	10	0.54
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	18	0.54
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	11	0.54
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	13	0.54
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	20	0.54
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	3	0.54
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	11	0.54
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	14	0.54
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	1	0.54
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	6	0.54
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	18	0.54
(2,1764)	1:162:A:ARG:HB2	1:162:A:ARG:HD2	7	0.54
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	15	0.54
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	6	0.54
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	17	0.54
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	3	0.54
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	4	0.54
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	5	0.54
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	7	0.54
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	8	0.54
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	9	0.54
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	10	0.54
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	13	0.54
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	14	0.54
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	18	0.54
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	19	0.54
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	13	0.54
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	8	0.54
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	10	0.54
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	13	0.54
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	15	0.54
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	19	0.54
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	10	0.54
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	20	0.54
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	10	0.54
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	10	0.54
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	10	0.54
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	14	0.54
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	14	0.54
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	14	0.54
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	1	0.54
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	1	0.54
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	1	0.54
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	11	0.54
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	11	0.54
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	17	0.54
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	10	0.54
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	17	0.54
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	1	0.54
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	16	0.54
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	2	0.54
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	7	0.54
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	14	0.54
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	19	0.54
(2,1231)	1:167:A:ARG:HD3	1:167:A:ARG:HA	17	0.54
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	15	0.54
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	15	0.54
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	15	0.54
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	17	0.54
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	17	0.54
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	17	0.54
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	7	0.54
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	5	0.54
(2,1108)	1:167:A:ARG:HB3	1:167:A:ARG:HA	17	0.54
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	2	0.54
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	5	0.54
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	11	0.54
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	12	0.54
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	13	0.54
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	20	0.54
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	9	0.54
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	1	0.54
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	4	0.54
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	13	0.54
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	3	0.54
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	3	0.54
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	6	0.54
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	5	0.54
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	8	0.54
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	16	0.54
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	18	0.54
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	19	0.54
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	2	0.54
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	4	0.54
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	7	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	8	0.54
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	10	0.54
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	10	0.54
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	10	0.54
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	10	0.54
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	10	0.54
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	10	0.54
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	10	0.54
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	10	0.54
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	10	0.54
(2,648)	1:80:A:LYS:HE2	1:80:A:LYS:HA	4	0.54
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	1	0.54
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	1	0.54
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	1	0.54
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	1	0.54
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	1	0.54
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	1	0.54
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	1	0.54
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	1	0.54
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	1	0.54
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD11	7	0.54
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD12	7	0.54
(2,643)	1:26:A:THR:HG21	1:24:A:ILE:HD13	7	0.54
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD11	7	0.54
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD12	7	0.54
(2,643)	1:26:A:THR:HG22	1:24:A:ILE:HD13	7	0.54
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD11	7	0.54
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD12	7	0.54
(2,643)	1:26:A:THR:HG23	1:24:A:ILE:HD13	7	0.54
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	19	0.54
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	3	0.54
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	8	0.54
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	5	0.54
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	5	0.54
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	5	0.54
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	15	0.54
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	15	0.54
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	15	0.54
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	16	0.54
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	16	0.54
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	16	0.54
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	13	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	19	0.54
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	11	0.54
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	11	0.54
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	11	0.54
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	12	0.54
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	12	0.54
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	12	0.54
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	2	0.54
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	3	0.54
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	4	0.54
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	5	0.54
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	14	0.54
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	1	0.54
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	1	0.54
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	1	0.54
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	3	0.54
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	3	0.54
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	3	0.54
(2,324)	1:143:A:ILE:HG21	1:143:A:ILE:H	19	0.54
(2,324)	1:143:A:ILE:HG22	1:143:A:ILE:H	19	0.54
(2,324)	1:143:A:ILE:HG23	1:143:A:ILE:H	19	0.54
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	1	0.54
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	9	0.54
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	10	0.54
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	2	0.54
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	3	0.54
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	8	0.54
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	11	0.54
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	12	0.54
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	2	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	5	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	5	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	5	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	9	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	9	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	9	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	11	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	11	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	11	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	20	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	20	0.54
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	7	0.54
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	8	0.54
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	14	0.54
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	1	0.54
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	1	0.54
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	1	0.54
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	8	0.53
(4,1492)	1:2:A:ARG:HB3	1:3:A:LYS:H	12	0.53
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	4	0.53
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	8	0.53
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	11	0.53
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	18	0.53
(4,1452)	1:168:A:GLY:HA3	1:168:A:GLY:H	9	0.53
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	11	0.53
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	8	0.53
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	10	0.53
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	12	0.53
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	15	0.53
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	7	0.53
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	8	0.53
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	8	0.53
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	8	0.53
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	5	0.53
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	17	0.53
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	18	0.53
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	20	0.53
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	17	0.53
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	17	0.53
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	17	0.53
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	6	0.53
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	14	0.53
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	2	0.53
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	7	0.53
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	9	0.53
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	13	0.53
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	15	0.53
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	8	0.53
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	1	0.53
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	1	0.53
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	3	0.53
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	4	0.53
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	13	0.53
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	15	0.53
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	16	0.53
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	18	0.53
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	10	0.53
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	19	0.53
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	9	0.53
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	9	0.53
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	9	0.53
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	12	0.53
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	12	0.53
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	12	0.53
(4,964)	1:136:A:LYS:HD2	1:137:A:ALA:H	16	0.53
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	8	0.53
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	5	0.53
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	17	0.53
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	19	0.53
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	3	0.53
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	11	0.53
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	13	0.53
(4,833)	1:76:A:ASN:HB2	1:76:A:ASN:HD21	6	0.53
(4,833)	1:76:A:ASN:HB2	1:76:A:ASN:HD21	13	0.53
(4,805)	1:92:A:GLN:H	1:92:A:GLN:HG3	11	0.53
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	2	0.53
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	13	0.53
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	7	0.53
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	7	0.53
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	16	0.53
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	17	0.53
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	10	0.53
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	10	0.53
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	10	0.53
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	10	0.53
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	17	0.53
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	17	0.53
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	17	0.53
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	17	0.53
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	11	0.53
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	2	0.53
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	3	0.53
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	5	0.53
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	8	0.53
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	11	0.53
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	14	0.53
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	15	0.53
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	13	0.53
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	13	0.53
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	7	0.53
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	8	0.53
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	10	0.53
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	11	0.53
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	15	0.53
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	20	0.53
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	16	0.53
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	14	0.53
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	1	0.53
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	1	0.53
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	1	0.53
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	3	0.53
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	3	0.53
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	3	0.53
(4,499)	1:118:A:LEU:HA	1:118:A:LEU:H	5	0.53
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	17	0.53
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	18	0.53
(4,479)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	12	0.53
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	11	0.53
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	19	0.53
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	1	0.53
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	19	0.53
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	14	0.53
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	9	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	1	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	2	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	3	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	5	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	7	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	8	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	9	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	10	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	11	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	12	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	13	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	19	0.53
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	20	0.53
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	5	0.53
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	3	0.53
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	4	0.53
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	8	0.53
(4,105)	1:120:A:LYS:HG3	1:121:A:GLN:H	3	0.53
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	1	0.53
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	6	0.53
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	9	0.53
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	12	0.53
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	1	0.53
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	3	0.53
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	7	0.53
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	9	0.53
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	11	0.53
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	15	0.53
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	9	0.53
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	18	0.53
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	20	0.53
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	14	0.53
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	4	0.53
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	4	0.53
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	4	0.53
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	4	0.53
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	4	0.53
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	4	0.53
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	11	0.53
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	11	0.53
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	11	0.53
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	11	0.53
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	11	0.53
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	11	0.53
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	3	0.53
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	3	0.53
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	3	0.53
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	3	0.53
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	2	0.53
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	8	0.53
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	11	0.53
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	18	0.53
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	20	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	3	0.53
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	3	0.53
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	3	0.53
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	13	0.53
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	13	0.53
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	13	0.53
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	18	0.53
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	18	0.53
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	18	0.53
(2,3132)	1:9:A:VAL:HB	1:8:A:GLN:H	11	0.53
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	1	0.53
(2,3042)	1:26:A:THR:HB	1:27:A:ALA:H	11	0.53
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	6	0.53
(2,3024)	1:37:A:GLN:H	1:37:A:GLN:HB3	17	0.53
(2,2986)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	18	0.53
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	9	0.53
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	8	0.53
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	6	0.53
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	8	0.53
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	16	0.53
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	5	0.53
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	3	0.53
(2,2615)	1:24:A:ILE:HG21	1:19:A:ALA:HA	7	0.53
(2,2615)	1:24:A:ILE:HG22	1:19:A:ALA:HA	7	0.53
(2,2615)	1:24:A:ILE:HG23	1:19:A:ALA:HA	7	0.53
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	7	0.53
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	13	0.53
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	18	0.53
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	19	0.53
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	9	0.53
(2,2557)	1:34:A:PRO:HD3	1:35:A:SER:H	14	0.53
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	15	0.53
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	3	0.53
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	9	0.53
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	14	0.53
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	12	0.53
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	11	0.53
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	4	0.53
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	1	0.53
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	7	0.53
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	9	0.53
(2,2244)	1:75:A:ASN:HB3	1:75:A:ASN:H	20	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	14	0.53
(2,2189)	1:30:A:LEU:HB2	1:30:A:LEU:HG	12	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	1	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	2	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	3	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	4	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	6	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	7	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	10	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	13	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	15	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	17	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	18	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	19	0.53
(2,2135)	1:30:A:LEU:HB2	1:30:A:LEU:HA	20	0.53
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	14	0.53
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	11	0.53
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	11	0.53
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	1	0.53
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	10	0.53
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	11	0.53
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	17	0.53
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	12	0.53
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	14	0.53
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	11	0.53
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	13	0.53
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	12	0.53
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	3	0.53
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	3	0.53
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	3	0.53
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	13	0.53
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	13	0.53
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	13	0.53
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	17	0.53
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	17	0.53
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	17	0.53
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	1	0.53
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	2	0.53
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	3	0.53
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	4	0.53
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	6	0.53
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	12	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	18	0.53
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	20	0.53
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	10	0.53
(2,1773)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	1	0.53
(2,1773)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	13	0.53
(2,1773)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	16	0.53
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	5	0.53
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	2	0.53
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	5	0.53
(2,1484)	1:156:A:ILE:HA	1:157:A:VAL:H	15	0.53
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	4	0.53
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	5	0.53
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	9	0.53
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	12	0.53
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	16	0.53
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	1	0.53
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	4	0.53
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	8	0.53
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	15	0.53
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	16	0.53
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	8	0.53
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	8	0.53
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	8	0.53
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	16	0.53
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	16	0.53
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	16	0.53
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	18	0.53
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	18	0.53
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	18	0.53
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	19	0.53
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	19	0.53
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	19	0.53
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	2	0.53
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	4	0.53
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	5	0.53
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	6	0.53
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	7	0.53
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	11	0.53
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	14	0.53
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	15	0.53
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	16	0.53
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	18	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	19	0.53
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	20	0.53
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	11	0.53
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	13	0.53
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	3	0.53
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	11	0.53
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	12	0.53
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	18	0.53
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	2	0.53
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	20	0.53
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	12	0.53
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	12	0.53
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	12	0.53
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	9	0.53
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	16	0.53
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	14	0.53
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	7	0.53
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	8	0.53
(2,949)	1:10:A:LYS:H	1:10:A:LYS:HB3	15	0.53
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	3	0.53
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	4	0.53
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	12	0.53
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	6	0.53
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	15	0.53
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	18	0.53
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	19	0.53
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	9	0.53
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	9	0.53
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	9	0.53
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	9	0.53
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	9	0.53
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	9	0.53
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	9	0.53
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	9	0.53
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	9	0.53
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	18	0.53
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	18	0.53
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	18	0.53
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	18	0.53
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	18	0.53
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	18	0.53
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	18	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	18	0.53
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	18	0.53
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	14	0.53
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	4	0.53
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	4	0.53
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	4	0.53
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	7	0.53
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	7	0.53
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	7	0.53
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	17	0.53
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	17	0.53
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	17	0.53
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	18	0.53
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	18	0.53
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	18	0.53
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	17	0.53
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	1	0.53
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	1	0.53
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	1	0.53
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	2	0.53
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	5	0.53
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	1	0.53
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	10	0.53
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	13	0.53
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	3	0.53
(2,270)	1:120:A:LYS:HB3	1:120:A:LYS:HD2	8	0.53
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	4	0.53
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	14	0.53
(2,203)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	15	0.53
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	18	0.53
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	18	0.53
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	18	0.53
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	14	0.53
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	3	0.53
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	3	0.53
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	3	0.53
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	3	0.53
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	13	0.53
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	19	0.53
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	20	0.53
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	20	0.53
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	20	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1492)	1:2:A:ARG:HB3	1:3:A:LYS:H	5	0.52
(4,1492)	1:2:A:ARG:HB3	1:3:A:LYS:H	10	0.52
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	7	0.52
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	9	0.52
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	15	0.52
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	15	0.52
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	15	0.52
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	15	0.52
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	17	0.52
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	17	0.52
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	17	0.52
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	3	0.52
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	4	0.52
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	5	0.52
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	6	0.52
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	7	0.52
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	17	0.52
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	18	0.52
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	11	0.52
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	6	0.52
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	9	0.52
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	9	0.52
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	9	0.52
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	2	0.52
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	2	0.52
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	2	0.52
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	2	0.52
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	15	0.52
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	15	0.52
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	15	0.52
(4,1236)	1:131:A:PRO:HD2	1:132:A:ALA:H	14	0.52
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	1	0.52
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	13	0.52
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	20	0.52
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	20	0.52
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	6	0.52
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	17	0.52
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	11	0.52
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	2	0.52
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	9	0.52
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	10	0.52
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	12	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	17	0.52
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	11	0.52
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	8	0.52
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	8	0.52
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	8	0.52
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	13	0.52
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	13	0.52
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	13	0.52
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	16	0.52
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	16	0.52
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	16	0.52
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	18	0.52
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	18	0.52
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	18	0.52
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	20	0.52
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	20	0.52
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	20	0.52
(4,985)	1:167:A:ARG:HB2	1:167:A:ARG:H	13	0.52
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	11	0.52
(4,876)	1:130:A:ASN:HB3	1:130:A:ASN:HD21	20	0.52
(4,852)	1:153:A:LEU:HG	1:153:A:LEU:H	11	0.52
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	8	0.52
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	12	0.52
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	1	0.52
(4,833)	1:76:A:ASN:HB2	1:76:A:ASN:HD21	7	0.52
(4,833)	1:76:A:ASN:HB2	1:76:A:ASN:HD21	9	0.52
(4,833)	1:76:A:ASN:HB2	1:76:A:ASN:HD21	18	0.52
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	5	0.52
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	14	0.52
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	14	0.52
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	14	0.52
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	3	0.52
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	11	0.52
(4,799)	1:23:A:ARG:HD2	1:24:A:ILE:H	20	0.52
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	4	0.52
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	18	0.52
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	10	0.52
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	9	0.52
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	7	0.52
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	16	0.52
(4,626)	1:120:A:LYS:HA	1:121:A:GLN:H	9	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	4	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	4	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	8	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	8	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	8	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	11	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	11	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	11	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	13	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	13	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	13	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	16	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	16	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	16	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	20	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	20	0.52
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	20	0.52
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	11	0.52
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	1	0.52
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	8	0.52
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	9	0.52
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	8	0.52
(4,524)	1:61:A:ILE:H	1:60:A:HIS:HA	12	0.52
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	8	0.52
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	11	0.52
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	11	0.52
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	11	0.52
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	16	0.52
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	16	0.52
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	16	0.52
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	1	0.52
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	19	0.52
(4,479)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	4	0.52
(4,472)	1:133:A:SER:H	1:134:A:ILE:H	12	0.52
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	18	0.52
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	1	0.52
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	9	0.52
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	11	0.52
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	18	0.52
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	18	0.52
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	20	0.52
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	15	0.52
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	4	0.52
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	6	0.52
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	14	0.52
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	15	0.52
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	16	0.52
(4,342)	1:16:A:ASN:HD21	1:16:A:ASN:HD22	18	0.52
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	9	0.52
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	3	0.52
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	10	0.52
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	15	0.52
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	8	0.52
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	10	0.52
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	2	0.52
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	6	0.52
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	20	0.52
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	7	0.52
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	9	0.52
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	9	0.52
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	19	0.52
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	19	0.52
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	6	0.52
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	6	0.52
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	7	0.52
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	7	0.52
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	14	0.52
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	14	0.52
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	8	0.52
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	8	0.52
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	8	0.52
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	8	0.52
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	8	0.52
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	8	0.52
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	12	0.52
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	12	0.52
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	12	0.52
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	12	0.52
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	4	0.52
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	5	0.52
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	7	0.52
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	10	0.52
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	13	0.52
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	6	0.52
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	6	0.52
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	6	0.52
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	20	0.52
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	20	0.52
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	20	0.52
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	8	0.52
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	12	0.52
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	15	0.52
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	4	0.52
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	17	0.52
(2,3035)	1:101:A:ILE:HB	1:102:A:ASN:H	18	0.52
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	10	0.52
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	12	0.52
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	16	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	2	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	3	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	4	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	6	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	7	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	9	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	10	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	11	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	13	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	14	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	15	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	17	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	18	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	19	0.52
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	20	0.52
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	12	0.52
(2,2576)	1:167:A:ARG:HB3	1:168:A:GLY:H	9	0.52
(2,2567)	1:136:A:LYS:HG2	1:136:A:LYS:HA	13	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	1	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	2	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	3	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	4	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	5	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	6	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	8	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	9	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	10	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	11	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	12	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	14	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	15	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	16	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	17	0.52
(2,2559)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	20	0.52
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	1	0.52
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	13	0.52
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	1	0.52
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	2	0.52
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	4	0.52
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	7	0.52
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	15	0.52
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	16	0.52
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	20	0.52
(2,2396)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	3	0.52
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	1	0.52
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	9	0.52
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	11	0.52
(2,2327)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	16	0.52
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	18	0.52
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	7	0.52
(2,2069)	1:68:A:LYS:HD2	1:68:A:LYS:HB2	14	0.52
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	7	0.52
(2,2016)	1:167:A:ARG:HB3	1:167:A:ARG:HA	15	0.52
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	5	0.52
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	7	0.52
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	8	0.52
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	9	0.52
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	10	0.52
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	13	0.52
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	15	0.52
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	17	0.52
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	19	0.52
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	9	0.52
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	18	0.52
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	7	0.52
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	9	0.52
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	12	0.52
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	8	0.52
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	9	0.52
(2,1559)	1:13:A:ASP:HB2	1:13:A:ASP:H	9	0.52
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	4	0.52
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	4	0.52
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	10	0.52
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	11	0.52
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	3	0.52
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	18	0.52
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	7	0.52
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	17	0.52
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	5	0.52
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	5	0.52
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	5	0.52
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	6	0.52
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	6	0.52
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	6	0.52
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	13	0.52
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	13	0.52
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	13	0.52
(2,1401)	1:140:A:LYS:HG3	1:140:A:LYS:HD3	12	0.52
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	7	0.52
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	7	0.52
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	7	0.52
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	12	0.52
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	12	0.52
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	12	0.52
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	15	0.52
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	15	0.52
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	15	0.52
(2,1370)	1:156:A:ILE:HD11	1:156:A:ILE:HA	20	0.52
(2,1370)	1:156:A:ILE:HD12	1:156:A:ILE:HA	20	0.52
(2,1370)	1:156:A:ILE:HD13	1:156:A:ILE:HA	20	0.52
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	1	0.52
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	3	0.52
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	8	0.52
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	9	0.52
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD21	7	0.52
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD22	7	0.52
(2,1354)	1:4:A:LEU:HB2	1:4:A:LEU:HD23	7	0.52
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	18	0.52
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	8	0.52
(2,1275)	1:136:A:LYS:HB3	1:136:A:LYS:H	12	0.52
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	20	0.52
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	4	0.52
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	4	0.52
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	4	0.52
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	9	0.52
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	19	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	2	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	2	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	2	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	2	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	2	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	2	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	2	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	2	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	2	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	3	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	3	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	3	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	3	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	3	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	3	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	3	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	3	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	3	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	4	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	4	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	4	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	4	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	4	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	4	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	4	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	4	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	4	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	6	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	6	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	6	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	6	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	6	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	6	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	6	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	6	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	9	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	9	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	9	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	9	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	9	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	9	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	9	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	9	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	9	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	10	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	10	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	10	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	10	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	10	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	10	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	10	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	10	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	10	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	12	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	12	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	12	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	12	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	12	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	12	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	12	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	12	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	12	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	15	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	15	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	15	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	15	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	15	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	15	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	15	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	15	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	15	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	16	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	16	0.52
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	16	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	16	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	16	0.52
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	16	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	16	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	16	0.52
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	16	0.52
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	1	0.52
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	5	0.52
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	11	0.52
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	17	0.52
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	12	0.52
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	4	0.52
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	7	0.52
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	8	0.52
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	8	0.52
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	8	0.52
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	16	0.52
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	16	0.52
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	16	0.52
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	17	0.52
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	8	0.52
(2,785)	1:11:A:GLN:HG3	1:11:A:GLN:HB2	1	0.52
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	11	0.52
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	17	0.52
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	6	0.52
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	6	0.52
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	6	0.52
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	6	0.52
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	6	0.52
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	6	0.52
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	6	0.52
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	6	0.52
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	6	0.52
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	6	0.52
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	6	0.52
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	6	0.52
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	15	0.52
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	15	0.52
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	15	0.52
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	3	0.52
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	1	0.52
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	1	0.52
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	4	0.52
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	4	0.52
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	4	0.52
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	19	0.52
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	3	0.52
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	20	0.52
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	20	0.52
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	20	0.52
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	20	0.52
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	5	0.52
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	4	0.52
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	5	0.52
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	6	0.52
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	7	0.52
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	9	0.52
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	10	0.52
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	12	0.52
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	16	0.52
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	17	0.52
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	18	0.52
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	20	0.52
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	6	0.52
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	5	0.52
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	5	0.52
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	5	0.52
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	9	0.51
(4,1464)	1:144:A:ARG:HD2	1:144:A:ARG:H	18	0.51
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	7	0.51
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	7	0.51
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	7	0.51
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	14	0.51
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	20	0.51
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	8	0.51
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	13	0.51
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	11	0.51
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	4	0.51
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	11	0.51
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	3	0.51
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	9	0.51
(4,1203)	1:162:A:ARG:HD3	1:163:A:VAL:H	15	0.51
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	5	0.51
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	19	0.51
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	19	0.51
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	19	0.51
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	14	0.51
(4,1141)	1:9:A:VAL:HA	1:10:A:LYS:H	11	0.51
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	2	0.51
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	4	0.51
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	9	0.51
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	10	0.51
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	11	0.51
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	13	0.51
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	15	0.51
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	19	0.51
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	4	0.51
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	16	0.51
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	6	0.51
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	14	0.51
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	17	0.51
(4,1032)	1:63:A:VAL:HA	1:64:A:SER:H	5	0.51
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	3	0.51
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	3	0.51
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	3	0.51
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	5	0.51
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	5	0.51
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	5	0.51
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	10	0.51
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	10	0.51
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	10	0.51
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	17	0.51
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	17	0.51
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	17	0.51
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	19	0.51
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	19	0.51
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	19	0.51
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	13	0.51
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	9	0.51
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	18	0.51
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	18	0.51
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	18	0.51
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	6	0.51
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	14	0.51
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,833)	1:76:A:ASN:HB2	1:76:A:ASN:HD21	3	0.51
(4,833)	1:76:A:ASN:HB2	1:76:A:ASN:HD21	11	0.51
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	8	0.51
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	7	0.51
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	7	0.51
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	9	0.51
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	12	0.51
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	16	0.51
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	16	0.51
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	20	0.51
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	20	0.51
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	5	0.51
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	5	0.51
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	5	0.51
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	9	0.51
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	9	0.51
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	9	0.51
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	19	0.51
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	19	0.51
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	19	0.51
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	19	0.51
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	17	0.51
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	1	0.51
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	1	0.51
(4,567)	1:86:A:VAL:HG21	1:87:A:GLY:H	2	0.51
(4,567)	1:86:A:VAL:HG22	1:87:A:GLY:H	2	0.51
(4,567)	1:86:A:VAL:HG23	1:87:A:GLY:H	2	0.51
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	20	0.51
(4,544)	1:130:A:ASN:HB2	1:130:A:ASN:HD21	11	0.51
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	3	0.51
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	12	0.51
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	14	0.51
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	17	0.51
(4,540)	1:64:A:SER:HB2	1:64:A:SER:H	7	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	2	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	2	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	2	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	7	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	7	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	7	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	9	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	9	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	12	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	12	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	12	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	13	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	13	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	13	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	15	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	15	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	15	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	17	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	17	0.51
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	17	0.51
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	3	0.51
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	6	0.51
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	10	0.51
(4,479)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	2	0.51
(4,479)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	15	0.51
(4,478)	1:153:A:LEU:HD21	1:153:A:LEU:H	11	0.51
(4,478)	1:153:A:LEU:HD22	1:153:A:LEU:H	11	0.51
(4,478)	1:153:A:LEU:HD23	1:153:A:LEU:H	11	0.51
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	4	0.51
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	6	0.51
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	10	0.51
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	16	0.51
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	17	0.51
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	2	0.51
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	7	0.51
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	13	0.51
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	14	0.51
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	19	0.51
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	10	0.51
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	14	0.51
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	15	0.51
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	17	0.51
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	13	0.51
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	6	0.51
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	10	0.51
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	14	0.51
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	7	0.51
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	12	0.51
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	19	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	4	0.51
(4,196)	1:73:A:SER:H	1:73:A:SER:HB2	6	0.51
(4,196)	1:73:A:SER:H	1:73:A:SER:HB2	9	0.51
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	13	0.51
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	5	0.51
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	17	0.51
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	17	0.51
(4,126)	1:94:A:PRO:HD2	1:95:A:THR:H	1	0.51
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	3	0.51
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	4	0.51
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	7	0.51
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	13	0.51
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	1	0.51
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	2	0.51
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	8	0.51
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	9	0.51
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	10	0.51
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	18	0.51
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	18	0.51
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	5	0.51
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	5	0.51
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	17	0.51
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	17	0.51
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	11	0.51
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	11	0.51
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	11	0.51
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	11	0.51
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	12	0.51
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	6	0.51
(2,3162)	1:144:A:ARG:HD2	1:144:A:ARG:HA	7	0.51
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	12	0.51
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	14	0.51
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	14	0.51
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	14	0.51
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	15	0.51
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	15	0.51
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	15	0.51
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	19	0.51
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	19	0.51
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	19	0.51
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	3	0.51
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	10	0.51
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	11	0.51
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	20	0.51
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	6	0.51
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	3	0.51
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	4	0.51
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	7	0.51
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	9	0.51
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	10	0.51
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	11	0.51
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	13	0.51
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	17	0.51
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	18	0.51
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	13	0.51
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	13	0.51
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	13	0.51
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	12	0.51
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	1	0.51
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	5	0.51
(2,2715)	1:16:A:ASN:HB3	1:16:A:ASN:HA	12	0.51
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	3	0.51
(2,2700)	1:145:A:MET:HE1	1:145:A:MET:HA	12	0.51
(2,2700)	1:145:A:MET:HE2	1:145:A:MET:HA	12	0.51
(2,2700)	1:145:A:MET:HE3	1:145:A:MET:HA	12	0.51
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	1	0.51
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	7	0.51
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	18	0.51
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	5	0.51
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	13	0.51
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	19	0.51
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	10	0.51
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	12	0.51
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	17	0.51
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	4	0.51
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	7	0.51
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	17	0.51
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	8	0.51
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	18	0.51
(2,2327)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	1	0.51
(2,2327)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	13	0.51
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	11	0.51
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	16	0.51
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	2	0.51
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	3	0.51
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	5	0.51
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	10	0.51
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	13	0.51
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	20	0.51
(2,1799)	1:117:A:SER:H	1:117:A:SER:HB3	16	0.51
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	4	0.51
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	5	0.51
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	15	0.51
(2,1773)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	3	0.51
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	2	0.51
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	4	0.51
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	6	0.51
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	7	0.51
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	8	0.51
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	11	0.51
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	14	0.51
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	17	0.51
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	18	0.51
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	19	0.51
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	3	0.51
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	7	0.51
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	7	0.51
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	8	0.51
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	14	0.51
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	14	0.51
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	1	0.51
(2,1454)	1:59:A:TYR:HB3	1:59:A:TYR:H	17	0.51
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	3	0.51
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	3	0.51
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	3	0.51
(2,1401)	1:140:A:LYS:HG3	1:140:A:LYS:HD3	4	0.51
(2,1401)	1:140:A:LYS:HG3	1:140:A:LYS:HD3	8	0.51
(2,1401)	1:140:A:LYS:HG3	1:140:A:LYS:HD3	9	0.51
(2,1356)	1:64:A:SER:HB3	1:64:A:SER:H	13	0.51
(2,1254)	1:54:A:PRO:HD2	1:54:A:PRO:HB2	10	0.51
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	2	0.51
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	15	0.51
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	3	0.51
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	10	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	14	0.51
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	18	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	1	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	1	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	1	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	1	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	1	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	1	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	1	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	1	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	1	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	5	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	5	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	5	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	5	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	5	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	5	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	5	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	5	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	5	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	7	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	7	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	7	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	7	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	7	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	7	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	7	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	7	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	7	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	8	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	8	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	8	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	8	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	8	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	8	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	8	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	8	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	8	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	11	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	11	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	11	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	11	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	11	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	11	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	11	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	11	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	13	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	13	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	13	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	13	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	13	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	13	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	13	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	13	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	13	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	14	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	14	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	14	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	14	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	14	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	14	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	14	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	14	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	14	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	18	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	18	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	18	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	18	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	18	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	18	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	18	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	18	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	18	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	19	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	19	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	19	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	19	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	19	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	19	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	19	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	19	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	19	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD11	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD12	20	0.51
(2,1192)	1:151:A:ILE:HG21	1:151:A:ILE:HD13	20	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD11	20	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD12	20	0.51
(2,1192)	1:151:A:ILE:HG22	1:151:A:ILE:HD13	20	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD11	20	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD12	20	0.51
(2,1192)	1:151:A:ILE:HG23	1:151:A:ILE:HD13	20	0.51
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	3	0.51
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	14	0.51
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	3	0.51
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	9	0.51
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	11	0.51
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	17	0.51
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	19	0.51
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	6	0.51
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	2	0.51
(2,821)	1:116:A:LEU:HD21	1:103:A:ARG:HB3	6	0.51
(2,821)	1:116:A:LEU:HD22	1:103:A:ARG:HB3	6	0.51
(2,821)	1:116:A:LEU:HD23	1:103:A:ARG:HB3	6	0.51
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	3	0.51
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	4	0.51
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	6	0.51
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	7	0.51
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	12	0.51
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	3	0.51
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	10	0.51
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	17	0.51
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	18	0.51
(2,713)	1:37:A:GLN:HA	1:37:A:GLN:HB2	6	0.51
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	14	0.51
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	14	0.51
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	14	0.51
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	14	0.51
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	14	0.51
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	14	0.51
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	14	0.51
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	14	0.51
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	14	0.51
(2,648)	1:80:A:LYS:HE2	1:80:A:LYS:HA	6	0.51
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	6	0.51
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	3	0.51
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	3	0.51
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	3	0.51
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	9	0.51
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	9	0.51
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	9	0.51
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	20	0.51
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	7	0.51
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	7	0.51
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	7	0.51
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	8	0.51
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	8	0.51
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	8	0.51
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	13	0.51
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	16	0.51
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	18	0.51
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	10	0.51
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	10	0.51
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	10	0.51
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	14	0.51
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	14	0.51
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	14	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	4	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	4	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	4	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	6	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	6	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	6	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	7	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	7	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	7	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	8	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	8	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	8	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	13	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	13	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	13	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	17	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	17	0.51
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	17	0.51
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	20	0.51
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	3	0.51
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	11	0.51
(2,26)	1:20:A:ALA:HA	1:20:A:ALA:H	15	0.51
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	15	0.51
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	15	0.51
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	15	0.51
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	13	0.51
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	2	0.5
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	16	0.5
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	17	0.5
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	19	0.5
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	6	0.5
(4,1459)	1:42:A:ALA:H	1:41:A:THR:H	20	0.5
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	19	0.5
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	19	0.5
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	19	0.5
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	11	0.5
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	13	0.5
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	2	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	1	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	2	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	3	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	5	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	7	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	9	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	10	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	13	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	14	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	15	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	17	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	19	0.5
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	20	0.5
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	20	0.5
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	1	0.5
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	10	0.5
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	13	0.5
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	18	0.5
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	20	0.5
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	11	0.5
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	11	0.5
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	11	0.5
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	19	0.5
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	19	0.5
(4,1292)	1:116:A:LEU:HG	1:117:A:SER:H	6	0.5
(4,1211)	1:153:A:LEU:HB2	1:153:A:LEU:H	16	0.5
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	3	0.5
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	4	0.5
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	16	0.5
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	19	0.5
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	9	0.5
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	1	0.5
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	3	0.5
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	5	0.5
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	7	0.5
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	8	0.5
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	12	0.5
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	14	0.5
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	17	0.5
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	18	0.5
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	20	0.5
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	18	0.5
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	19	0.5
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	20	0.5
(4,1113)	1:89:A:ILE:H	1:88:A:LYS:HB2	6	0.5
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	20	0.5
(4,995)	1:89:A:ILE:H	1:90:A:LEU:H	5	0.5
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	1	0.5
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	1	0.5
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	1	0.5
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	4	0.5
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	4	0.5
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	4	0.5
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	6	0.5
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	6	0.5
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	6	0.5
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	7	0.5
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	7	0.5
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	7	0.5
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	11	0.5
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	11	0.5
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	11	0.5
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	15	0.5
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	15	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	15	0.5
(4,964)	1:136:A:LYS:HD2	1:137:A:ALA:H	8	0.5
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	18	0.5
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	16	0.5
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	9	0.5
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	16	0.5
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	1	0.5
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	1	0.5
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	1	0.5
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	6	0.5
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	6	0.5
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	6	0.5
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	11	0.5
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	11	0.5
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	11	0.5
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	14	0.5
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	14	0.5
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	14	0.5
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	2	0.5
(4,846)	1:61:A:ILE:H	1:61:A:ILE:HB	12	0.5
(4,833)	1:76:A:ASN:HB2	1:76:A:ASN:HD21	16	0.5
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	2	0.5
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	11	0.5
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	17	0.5
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	7	0.5
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	8	0.5
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	14	0.5
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	13	0.5
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	19	0.5
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	9	0.5
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	14	0.5
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	7	0.5
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	7	0.5
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	7	0.5
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	18	0.5
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	18	0.5
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	18	0.5
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	2	0.5
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	4	0.5
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	16	0.5
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	19	0.5
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	1	0.5
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	5	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	4	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	4	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	4	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	5	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	5	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	5	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	10	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	10	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	10	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	18	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	18	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	18	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	19	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	19	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	19	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	20	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	20	0.5
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	20	0.5
(4,479)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	1	0.5
(4,479)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	20	0.5
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	7	0.5
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	5	0.5
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	3	0.5
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	8	0.5
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	20	0.5
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	1	0.5
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	3	0.5
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	4	0.5
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	5	0.5
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	6	0.5
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	8	0.5
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	9	0.5
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	10	0.5
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	16	0.5
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	17	0.5
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	20	0.5
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	10	0.5
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	8	0.5
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	18	0.5
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	6	0.5
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	16	0.5
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	20	0.5
(4,306)	1:148:A:LYS:HG2	1:148:A:LYS:H	3	0.5
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	3	0.5
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	18	0.5
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	6	0.5
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	17	0.5
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	18	0.5
(4,282)	1:52:A:PRO:HB2	1:53:A:ASP:H	11	0.5
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	1	0.5
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	6	0.5
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	16	0.5
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	16	0.5
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	10	0.5
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	15	0.5
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	18	0.5
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	19	0.5
(4,80)	1:133:A:SER:H	1:134:A:ILE:H	12	0.5
(4,70)	1:60:A:HIS:HB3	1:61:A:ILE:H	17	0.5
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	10	0.5
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	13	0.5
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	17	0.5
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	18	0.5
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	19	0.5
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	8	0.5
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	20	0.5
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	20	0.5
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	12	0.5
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	12	0.5
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	16	0.5
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	16	0.5
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	14	0.5
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	14	0.5
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	14	0.5
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	14	0.5
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	14	0.5
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	14	0.5
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	17	0.5
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	17	0.5
(3,13)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	17	0.5
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	17	0.5
(3,13)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	17	0.5
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	20	0.5
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	20	0.5
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	20	0.5
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	20	0.5
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	3	0.5
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	4	0.5
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	8	0.5
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	10	0.5
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	12	0.5
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	1	0.5
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	14	0.5
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	16	0.5
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	17	0.5
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	7	0.5
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	16	0.5
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	8	0.5
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	13	0.5
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	15	0.5
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	2	0.5
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	6	0.5
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	14	0.5
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	16	0.5
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	19	0.5
(2,3093)	1:31:A:GLN:HA	1:32:A:ALA:H	20	0.5
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	10	0.5
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	5	0.5
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	6	0.5
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	8	0.5
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	9	0.5
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	16	0.5
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	18	0.5
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	11	0.5
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	20	0.5
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	18	0.5
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	10	0.5
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	8	0.5
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	13	0.5
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	6	0.5
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	13	0.5
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	6	0.5
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	11	0.5
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	1	0.5
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	2	0.5
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	3	0.5
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	4	0.5
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	12	0.5
(2,2230)	1:47:A:VAL:HG21	1:6:A:THR:HB	1	0.5
(2,2230)	1:47:A:VAL:HG22	1:6:A:THR:HB	1	0.5
(2,2230)	1:47:A:VAL:HG23	1:6:A:THR:HB	1	0.5
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	4	0.5
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	10	0.5
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	17	0.5
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	1	0.5
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	12	0.5
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	15	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	1	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	2	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	3	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	4	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	5	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	6	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	7	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	8	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	9	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	10	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	11	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	12	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	14	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	15	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	16	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	17	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	18	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	19	0.5
(2,1942)	1:8:A:GLN:HB3	1:8:A:GLN:HA	20	0.5
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	6	0.5
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	6	0.5
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	6	0.5
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	10	0.5
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	10	0.5
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	10	0.5
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	18	0.5
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	18	0.5
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	17	0.5
(2,1820)	1:80:A:LYS:HB3	1:80:A:LYS:HA	14	0.5
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	2	0.5
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	6	0.5
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	8	0.5
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	14	0.5
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	11	0.5
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	19	0.5
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	20	0.5
(2,1740)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	15	0.5
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	17	0.5
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	19	0.5
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	9	0.5
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	12	0.5
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	6	0.5
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	8	0.5
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	12	0.5
(2,1450)	1:88:A:LYS:HG3	1:88:A:LYS:HA	19	0.5
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	18	0.5
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	18	0.5
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	18	0.5
(2,1401)	1:140:A:LYS:HG3	1:140:A:LYS:HD3	11	0.5
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	13	0.5
(2,1336)	1:95:A:THR:H	1:94:A:PRO:HB2	5	0.5
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	20	0.5
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	2	0.5
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	3	0.5
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	16	0.5
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	19	0.5
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	5	0.5
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	5	0.5
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	5	0.5
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	12	0.5
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	12	0.5
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	12	0.5
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	5	0.5
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	6	0.5
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	8	0.5
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	16	0.5
(2,1195)	1:49:A:PRO:HG3	1:49:A:PRO:HA	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	7	0.5
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	11	0.5
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	19	0.5
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	6	0.5
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	19	0.5
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	2	0.5
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	4	0.5
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	8	0.5
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	10	0.5
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	13	0.5
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	20	0.5
(2,1080)	1:159:A:ASN:HB2	1:159:A:ASN:HD22	18	0.5
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	9	0.5
(2,1073)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	17	0.5
(2,1045)	1:103:A:ARG:H	1:102:A:ASN:HB2	16	0.5
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	20	0.5
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	20	0.5
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	20	0.5
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	1	0.5
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	16	0.5
(2,825)	1:167:A:ARG:HG2	1:167:A:ARG:HA	17	0.5
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	2	0.5
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	10	0.5
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	15	0.5
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	1	0.5
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	14	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	3	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	3	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	3	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	3	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	3	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	3	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	3	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	3	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	3	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	5	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	5	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	5	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	5	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	5	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	5	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	5	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	5	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	12	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	12	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	12	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	12	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	12	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	12	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	12	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	12	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	12	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	15	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	15	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	15	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	15	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	15	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	15	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	15	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	15	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	15	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	17	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	17	0.5
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	17	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	17	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	17	0.5
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	17	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	17	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	17	0.5
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	17	0.5
(2,640)	1:11:A:GLN:HG3	1:11:A:GLN:H	20	0.5
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	20	0.5
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	1	0.5
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	1	0.5
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	1	0.5
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	12	0.5
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	12	0.5
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	12	0.5
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	2	0.5
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	4	0.5
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	6	0.5
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	7	0.5
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	11	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	14	0.5
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	13	0.5
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	17	0.5
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	5	0.5
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	5	0.5
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	5	0.5
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	4	0.5
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	19	0.5
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	19	0.5
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	19	0.5
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	7	0.5
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	11	0.5
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	20	0.5
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG11	1	0.5
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG12	1	0.5
(2,74)	1:6:A:THR:HA	1:47:A:VAL:HG13	1	0.5
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	18	0.5
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	18	0.5
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	18	0.5
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	2	0.5
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	1	0.49
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	3	0.49
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	4	0.49
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	5	0.49
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	7	0.49
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	8	0.49
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	12	0.49
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	15	0.49
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	18	0.49
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	20	0.49
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	1	0.49
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	18	0.49
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	18	0.49
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	18	0.49
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	20	0.49
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	20	0.49
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	20	0.49
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	1	0.49
(4,1413)	1:65:A:ILE:H	1:66:A:GLY:H	2	0.49
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	14	0.49
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	4	0.49
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	16	0.49
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	5	0.49
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	14	0.49
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	20	0.49
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	19	0.49
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	4	0.49
(4,1303)	1:116:A:LEU:HD11	1:116:A:LEU:H	16	0.49
(4,1303)	1:116:A:LEU:HD12	1:116:A:LEU:H	16	0.49
(4,1303)	1:116:A:LEU:HD13	1:116:A:LEU:H	16	0.49
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	14	0.49
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	17	0.49
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	9	0.49
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	11	0.49
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	18	0.49
(4,1139)	1:12:A:GLY:HA3	1:12:A:GLY:H	16	0.49
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	1	0.49
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	10	0.49
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	11	0.49
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	12	0.49
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	13	0.49
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	14	0.49
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	18	0.49
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	5	0.49
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	6	0.49
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	12	0.49
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	7	0.49
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	12	0.49
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	18	0.49
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	19	0.49
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	14	0.49
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	2	0.49
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	2	0.49
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	2	0.49
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	4	0.49
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	4	0.49
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	4	0.49
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	7	0.49
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	7	0.49
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	7	0.49
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	10	0.49
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	10	0.49
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	12	0.49
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	12	0.49
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	12	0.49
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	13	0.49
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	13	0.49
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	13	0.49
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	16	0.49
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	16	0.49
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	16	0.49
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	19	0.49
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	19	0.49
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	19	0.49
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	20	0.49
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	20	0.49
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	20	0.49
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	17	0.49
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	18	0.49
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	7	0.49
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	9	0.49
(4,833)	1:76:A:ASN:HB2	1:76:A:ASN:HD21	10	0.49
(4,833)	1:76:A:ASN:HB2	1:76:A:ASN:HD21	17	0.49
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	10	0.49
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	13	0.49
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	19	0.49
(4,801)	1:36:A:LEU:H	1:35:A:SER:H	12	0.49
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	18	0.49
(4,704)	1:77:A:ARG:HD3	1:78:A:VAL:H	1	0.49
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	16	0.49
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	16	0.49
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	11	0.49
(4,690)	1:43:A:GLY:H	1:44:A:GLN:H	13	0.49
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	12	0.49
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	14	0.49
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	14	0.49
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	14	0.49
(4,600)	1:108:A:GLY:H	1:109:A:GLY:H	11	0.49
(4,582)	1:126:A:HIS:H	1:125:A:ILE:HA	20	0.49
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	1	0.49
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	4	0.49
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	5	0.49
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	13	0.49
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	18	0.49
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	6	0.49
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	6	0.49
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	6	0.49
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG21	14	0.49
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG22	14	0.49
(4,509)	1:42:A:ALA:H	1:41:A:THR:HG23	14	0.49
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	20	0.49
(4,479)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	5	0.49
(4,479)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	8	0.49
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	3	0.49
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	11	0.49
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	13	0.49
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	12	0.49
(4,439)	1:115:A:TRP:H	1:115:A:TRP:HA	15	0.49
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	2	0.49
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	14	0.49
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	10	0.49
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	5	0.49
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	16	0.49
(4,368)	1:63:A:VAL:HG21	1:63:A:VAL:H	11	0.49
(4,368)	1:63:A:VAL:HG22	1:63:A:VAL:H	11	0.49
(4,368)	1:63:A:VAL:HG23	1:63:A:VAL:H	11	0.49
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	14	0.49
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	2	0.49
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	1	0.49
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	20	0.49
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	3	0.49
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	20	0.49
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	17	0.49
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	18	0.49
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	17	0.49
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	1	0.49
(4,156)	1:90:A:LEU:H	1:91:A:THR:H	2	0.49
(4,105)	1:120:A:LYS:HG3	1:121:A:GLN:H	8	0.49
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	4	0.49
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	5	0.49
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	12	0.49
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	15	0.49
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	16	0.49
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	20	0.49
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	2	0.49
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	2	0.49
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	6	0.49
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	6	0.49
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	11	0.49
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	11	0.49
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	4	0.49
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	4	0.49
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	16	0.49
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	16	0.49
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	18	0.49
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	18	0.49
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	18	0.49
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	18	0.49
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	18	0.49
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	18	0.49
(3,18)	1:59:A:TYR:HD1	1:59:A:TYR:HA	4	0.49
(3,18)	1:59:A:TYR:HD2	1:59:A:TYR:HA	4	0.49
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	4	0.49
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	4	0.49
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	4	0.49
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	4	0.49
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	5	0.49
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	6	0.49
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	13	0.49
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	16	0.49
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	18	0.49
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	19	0.49
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	9	0.49
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	13	0.49
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	19	0.49
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	5	0.49
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	6	0.49
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	16	0.49
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	9	0.49
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	9	0.49
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	9	0.49
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	2	0.49
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	14	0.49
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	17	0.49
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	1	0.49
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	8	0.49
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	9	0.49
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	13	0.49
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	12	0.49
(2,2799)	1:153:A:LEU:HD21	1:153:A:LEU:HB3	14	0.49
(2,2799)	1:153:A:LEU:HD22	1:153:A:LEU:HB3	14	0.49
(2,2799)	1:153:A:LEU:HD23	1:153:A:LEU:HB3	14	0.49
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	2	0.49
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	3	0.49
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	4	0.49
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	10	0.49
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	14	0.49
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	17	0.49
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	18	0.49
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	19	0.49
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	3	0.49
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	5	0.49
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	9	0.49
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	14	0.49
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	15	0.49
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	16	0.49
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	17	0.49
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	7	0.49
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	5	0.49
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	7	0.49
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	16	0.49
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	2	0.49
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	10	0.49
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	13	0.49
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	19	0.49
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	20	0.49
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	19	0.49
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	10	0.49
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	13	0.49
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	19	0.49
(2,2327)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	3	0.49
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	5	0.49
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	6	0.49
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	10	0.49
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	10	0.49
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	11	0.49
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	14	0.49
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	17	0.49
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	14	0.49
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	2	0.49
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	3	0.49
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	8	0.49
(2,2010)	1:110:A:PRO:HD3	1:111:A:PHE:H	9	0.49
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	5	0.49
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	5	0.49
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	5	0.49
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	14	0.49
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	14	0.49
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	14	0.49
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	15	0.49
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	15	0.49
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	15	0.49
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	19	0.49
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	19	0.49
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	19	0.49
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	5	0.49
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	4	0.49
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	9	0.49
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	19	0.49
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	3	0.49
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	5	0.49
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	10	0.49
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	15	0.49
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	16	0.49
(2,1773)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	5	0.49
(2,1773)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	8	0.49
(2,1773)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	17	0.49
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	17	0.49
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	17	0.49
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	17	0.49
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	4	0.49
(2,1612)	1:97:A:GLU:HA	1:97:A:GLU:HG2	5	0.49
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	3	0.49
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	5	0.49
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	6	0.49
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	5	0.49
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	18	0.49
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	20	0.49
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	1	0.49
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	5	0.49
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	11	0.49
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	16	0.49
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	7	0.49
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	9	0.49
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	10	0.49
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	18	0.49
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	4	0.49
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	7	0.49
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	13	0.49
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	20	0.49
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	5	0.49
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	6	0.49
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	7	0.49
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	12	0.49
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	14	0.49
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	17	0.49
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	7	0.49
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	15	0.49
(2,1054)	1:138:A:VAL:HG11	1:138:A:VAL:H	11	0.49
(2,1054)	1:138:A:VAL:HG12	1:138:A:VAL:H	11	0.49
(2,1054)	1:138:A:VAL:HG13	1:138:A:VAL:H	11	0.49
(2,1022)	1:40:A:LEU:HD11	1:40:A:LEU:HB3	9	0.49
(2,1022)	1:40:A:LEU:HD12	1:40:A:LEU:HB3	9	0.49
(2,1022)	1:40:A:LEU:HD13	1:40:A:LEU:HB3	9	0.49
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	20	0.49
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	11	0.49
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	8	0.49
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	18	0.49
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	8	0.49
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	14	0.49
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	1	0.49
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	11	0.49
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	13	0.49
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	14	0.49
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	15	0.49
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	20	0.49
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	11	0.49
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	4	0.49
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	2	0.49
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	2	0.49
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	2	0.49
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	2	0.49
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	2	0.49
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	2	0.49
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	2	0.49
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	2	0.49
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	4	0.49
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	4	0.49
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	4	0.49
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	4	0.49
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	4	0.49
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	4	0.49
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	4	0.49
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	4	0.49
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	4	0.49
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	13	0.49
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	13	0.49
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	13	0.49
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	13	0.49
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	13	0.49
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	13	0.49
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	13	0.49
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	13	0.49
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	13	0.49
(2,613)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	14	0.49
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	6	0.49
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	15	0.49
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	5	0.49
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	8	0.49
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	9	0.49
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	10	0.49
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	16	0.49
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	19	0.49
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	18	0.49
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	18	0.49
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	18	0.49
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	9	0.49
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	9	0.49
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	9	0.49
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	14	0.49
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	16	0.49
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	19	0.49
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	6	0.49
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	6	0.49
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	7	0.49
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	7	0.49
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	10	0.49
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	10	0.49
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	1	0.49
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	2	0.49
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	5	0.49
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	6	0.49
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	12	0.49
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	15	0.49
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	19	0.49
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	1	0.49
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	6	0.49
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	1	0.49
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	1	0.49
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	1	0.49
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD11	16	0.49
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD12	16	0.49
(2,160)	1:26:A:THR:HA	1:24:A:ILE:HD13	16	0.49
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	3	0.49
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	19	0.49
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	13	0.49
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	13	0.49
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	13	0.49
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	18	0.49
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	18	0.49
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	18	0.49
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	17	0.49
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	10	0.48
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	13	0.48
(4,1536)	1:3:A:LYS:HG2	1:3:A:LYS:H	6	0.48
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	4	0.48
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	19	0.48
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	20	0.48
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	17	0.48
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	11	0.48
(4,1393)	1:10:A:LYS:HE3	1:11:A:GLN:H	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	6	0.48
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	12	0.48
(4,1391)	1:141:A:GLY:HA3	1:142:A:CYS:H	18	0.48
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	20	0.48
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	17	0.48
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	2	0.48
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	10	0.48
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	10	0.48
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	10	0.48
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	9	0.48
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	7	0.48
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	8	0.48
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	10	0.48
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	13	0.48
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	14	0.48
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	17	0.48
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	19	0.48
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	20	0.48
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	10	0.48
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	3	0.48
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	7	0.48
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	15	0.48
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	11	0.48
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	8	0.48
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	8	0.48
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	8	0.48
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	3	0.48
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	2	0.48
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	3	0.48
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	5	0.48
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	7	0.48
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	8	0.48
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	9	0.48
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	15	0.48
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	3	0.48
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	4	0.48
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	5	0.48
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	9	0.48
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	10	0.48
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	11	0.48
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	12	0.48
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	19	0.48
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	17	0.48
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	17	0.48
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	18	0.48
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	18	0.48
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	18	0.48
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	2	0.48
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	2	0.48
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	2	0.48
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	10	0.48
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	13	0.48
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	10	0.48
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	11	0.48
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	14	0.48
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	17	0.48
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	1	0.48
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	2	0.48
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	4	0.48
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	5	0.48
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	8	0.48
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	8	0.48
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	8	0.48
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	8	0.48
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	9	0.48
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	9	0.48
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	9	0.48
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	15	0.48
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	15	0.48
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	15	0.48
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	10	0.48
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	18	0.48
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	14	0.48
(4,668)	1:146:A:HIS:H	1:145:A:MET:HG2	12	0.48
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	8	0.48
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	16	0.48
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	16	0.48
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	2	0.48
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	2	0.48
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	2	0.48
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB1	12	0.48
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB2	12	0.48
(4,615)	1:38:A:ALA:H	1:38:A:ALA:HB3	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,583)	1:146:A:HIS:H	1:145:A:MET:HA	12	0.48
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	6	0.48
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	13	0.48
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	4	0.48
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	12	0.48
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	11	0.48
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	16	0.48
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	1	0.48
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	12	0.48
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	15	0.48
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	14	0.48
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	18	0.48
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	7	0.48
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	12	0.48
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	15	0.48
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	2	0.48
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	17	0.48
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	2	0.48
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	2	0.48
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	2	0.48
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	10	0.48
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	11	0.48
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	13	0.48
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	10	0.48
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	9	0.48
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	12	0.48
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	19	0.48
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	3	0.48
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	17	0.48
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	3	0.48
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	6	0.48
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	11	0.48
(4,42)	1:142:A:CYS:HB2	1:142:A:CYS:H	14	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	1	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	2	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	3	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	4	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	7	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	8	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	9	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	10	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	12	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	15	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	16	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	17	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	19	0.48
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	20	0.48
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	1	0.48
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	1	0.48
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	5	0.48
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	5	0.48
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	6	0.48
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	6	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	1	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	1	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	2	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	2	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	3	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	3	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	5	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	5	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	8	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	8	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	9	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	9	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	10	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	10	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	11	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	11	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	12	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	12	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	13	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	13	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	15	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	15	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	17	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	17	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	19	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	19	0.48
(3,51)	1:111:A:PHE:HE1	1:111:A:PHE:HZ	20	0.48
(3,51)	1:111:A:PHE:HE2	1:111:A:PHE:HZ	20	0.48
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	7	0.48
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	7	0.48
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	7	0.48
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	14	0.48
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	14	0.48
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	14	0.48
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	14	0.48
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	1	0.48
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	7	0.48
(2,3204)	1:75:A:ASN:HB2	1:75:A:ASN:HD21	17	0.48
(2,3191)	1:158:A:PRO:HD2	1:158:A:PRO:HB2	10	0.48
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	16	0.48
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	18	0.48
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	4	0.48
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	10	0.48
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	11	0.48
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	19	0.48
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	5	0.48
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	5	0.48
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	5	0.48
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	7	0.48
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	7	0.48
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	7	0.48
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	17	0.48
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	17	0.48
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	17	0.48
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	12	0.48
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	16	0.48
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	10	0.48
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	16	0.48
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	17	0.48
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	13	0.48
(2,2957)	1:79:A:MET:HG2	1:80:A:LYS:H	17	0.48
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	1	0.48
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	7	0.48
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	11	0.48
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	15	0.48
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	20	0.48
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	9	0.48
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	20	0.48
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	2	0.48
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	3	0.48
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	9	0.48
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	10	0.48
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	13	0.48
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	15	0.48
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	8	0.48
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	6	0.48
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	14	0.48
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	8	0.48
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	5	0.48
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	14	0.48
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	18	0.48
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	17	0.48
(2,2327)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	5	0.48
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	1	0.48
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	2	0.48
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	3	0.48
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	4	0.48
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	7	0.48
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	8	0.48
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	9	0.48
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	16	0.48
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	19	0.48
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	13	0.48
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	18	0.48
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	20	0.48
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	1	0.48
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	2	0.48
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	3	0.48
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	9	0.48
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	10	0.48
(2,2151)	1:130:A:ASN:HB2	1:130:A:ASN:HD22	18	0.48
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	13	0.48
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	16	0.48
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	14	0.48
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	17	0.48
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	19	0.48
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	20	0.48
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	1	0.48
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	1	0.48
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	1	0.48
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	2	0.48
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	2	0.48
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	4	0.48
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	4	0.48
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	4	0.48
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	12	0.48
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	12	0.48
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	12	0.48
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	1	0.48
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	1	0.48
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	3	0.48
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	4	0.48
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	5	0.48
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	12	0.48
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	14	0.48
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	15	0.48
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	17	0.48
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	9	0.48
(2,1548)	1:80:A:LYS:HE3	1:80:A:LYS:HA	6	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	1	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	2	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	4	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	7	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	8	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	9	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	10	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	13	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	14	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	15	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	17	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	18	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	19	0.48
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	20	0.48
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	1	0.48
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	2	0.48
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	3	0.48
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	13	0.48
(2,1506)	1:136:A:LYS:HG3	1:136:A:LYS:HD3	15	0.48
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	7	0.48
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	7	0.48
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	7	0.48
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	7	0.48
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	20	0.48
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	20	0.48
(2,1401)	1:140:A:LYS:HG3	1:140:A:LYS:HD3	2	0.48
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	1	0.48
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	19	0.48
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	4	0.48
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	9	0.48
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	10	0.48
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	14	0.48
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	17	0.48
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	18	0.48
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	3	0.48
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	17	0.48
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	20	0.48
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	2	0.48
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	8	0.48
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	9	0.48
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	10	0.48
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	12	0.48
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	15	0.48
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	16	0.48
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	18	0.48
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	13	0.48
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	14	0.48
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	4	0.48
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	8	0.48
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	18	0.48
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	6	0.48
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	14	0.48
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	3	0.48
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	4	0.48
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	19	0.48
(2,969)	1:44:A:GLN:HG3	1:44:A:GLN:HA	19	0.48
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	5	0.48
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	7	0.48
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	11	0.48
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	12	0.48
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	16	0.48
(2,819)	1:97:A:GLU:HB3	1:97:A:GLU:H	18	0.48
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	5	0.48
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	8	0.48
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	14	0.48
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	19	0.48
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	20	0.48
(2,802)	1:3:A:LYS:HA	1:4:A:LEU:H	11	0.48
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	3	0.48
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	1	0.48
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	1	0.48
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	1	0.48
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	1	0.48
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	1	0.48
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	1	0.48
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	1	0.48
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	1	0.48
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	1	0.48
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	7	0.48
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	7	0.48
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	7	0.48
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	7	0.48
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	7	0.48
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	7	0.48
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	7	0.48
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	7	0.48
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	7	0.48
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	8	0.48
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	8	0.48
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	8	0.48
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	8	0.48
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	8	0.48
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	8	0.48
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	8	0.48
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	8	0.48
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	8	0.48
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	16	0.48
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	16	0.48
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	16	0.48
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	16	0.48
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	16	0.48
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	16	0.48
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	16	0.48
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	16	0.48
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	16	0.48
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	18	0.48
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	8	0.48
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	8	0.48
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	8	0.48
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	19	0.48
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	19	0.48
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	19	0.48
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	14	0.48
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	11	0.48
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	16	0.48
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	13	0.48
(2,400)	1:93:A:THR:HB	1:93:A:THR:HA	16	0.48
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	1	0.48
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	3	0.48
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	6	0.48
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	10	0.48
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	13	0.48
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	15	0.48
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	17	0.48
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	2	0.48
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	2	0.48
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	3	0.48
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	3	0.48
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	4	0.48
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	4	0.48
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	13	0.48
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	13	0.48
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	15	0.48
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	15	0.48
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	19	0.48
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	19	0.48
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	4	0.48
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	8	0.48
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	9	0.48
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	14	0.48
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	20	0.48
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	4	0.48
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	7	0.48
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	18	0.48
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	20	0.48
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	1	0.48
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	18	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	19	0.48
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	6	0.48
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	6	0.48
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	6	0.48
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	20	0.48
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	20	0.48
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	20	0.48
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	20	0.48
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	20	0.48
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	20	0.48
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	7	0.48
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	7	0.48
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	7	0.48
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	8	0.48
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	8	0.48
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	8	0.48
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	1	0.48
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	8	0.47
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	12	0.47
(4,1464)	1:144:A:ARG:HD2	1:144:A:ARG:H	3	0.47
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	6	0.47
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	17	0.47
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	11	0.47
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	18	0.47
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	1	0.47
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	1	0.47
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	2	0.47
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	3	0.47
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	9	0.47
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	15	0.47
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	16	0.47
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	12	0.47
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	10	0.47
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	12	0.47
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	20	0.47
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	8	0.47
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	16	0.47
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	4	0.47
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	10	0.47
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	4	0.47
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	12	0.47
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1044)	1:90:A:LEU:HG	1:91:A:THR:H	13	0.47
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	3	0.47
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	7	0.47
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	8	0.47
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	14	0.47
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	15	0.47
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	17	0.47
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	20	0.47
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	14	0.47
(4,994)	1:84:A:ILE:HD11	1:84:A:ILE:H	14	0.47
(4,994)	1:84:A:ILE:HD12	1:84:A:ILE:H	14	0.47
(4,994)	1:84:A:ILE:HD13	1:84:A:ILE:H	14	0.47
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	16	0.47
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	18	0.47
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	1	0.47
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	2	0.47
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	7	0.47
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	20	0.47
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	3	0.47
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	3	0.47
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	3	0.47
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	5	0.47
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	5	0.47
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	5	0.47
(4,880)	1:67:A:ALA:HB1	1:67:A:ALA:H	17	0.47
(4,880)	1:67:A:ALA:HB2	1:67:A:ALA:H	17	0.47
(4,880)	1:67:A:ALA:HB3	1:67:A:ALA:H	17	0.47
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	15	0.47
(4,816)	1:20:A:ALA:HB1	1:21:A:ASP:H	8	0.47
(4,816)	1:20:A:ALA:HB2	1:21:A:ASP:H	8	0.47
(4,816)	1:20:A:ALA:HB3	1:21:A:ASP:H	8	0.47
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	5	0.47
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	12	0.47
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	18	0.47
(4,749)	1:7:A:TYR:H	1:6:A:THR:HB	4	0.47
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	4	0.47
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	5	0.47
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	11	0.47
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	11	0.47
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	10	0.47
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	17	0.47
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	1	0.47
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	4	0.47
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	5	0.47
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	6	0.47
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	4	0.47
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	20	0.47
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	3	0.47
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	6	0.47
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	8	0.47
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	9	0.47
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	10	0.47
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	12	0.47
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	15	0.47
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	16	0.47
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	19	0.47
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	2	0.47
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	6	0.47
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	13	0.47
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	3	0.47
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	9	0.47
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	17	0.47
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	20	0.47
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	12	0.47
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	13	0.47
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	13	0.47
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	13	0.47
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	1	0.47
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	2	0.47
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	3	0.47
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	7	0.47
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	9	0.47
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	12	0.47
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	14	0.47
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	15	0.47
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	18	0.47
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	7	0.47
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	11	0.47
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	12	0.47
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	8	0.47
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	11	0.47
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	9	0.47
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	17	0.47
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	17	0.47
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	20	0.47
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	20	0.47
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	20	0.47
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	10	0.47
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	3	0.47
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	14	0.47
(4,70)	1:60:A:HIS:HB3	1:61:A:ILE:H	1	0.47
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	7	0.47
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	9	0.47
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	5	0.47
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	6	0.47
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	13	0.47
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	14	0.47
(3,70)	1:115:A:TRP:HE1	1:115:A:TRP:HZ2	18	0.47
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	15	0.47
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	15	0.47
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	16	0.47
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	16	0.47
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD1	10	0.47
(3,50)	1:99:A:TYR:HB3	1:99:A:TYR:HD2	10	0.47
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	17	0.47
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	17	0.47
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	17	0.47
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	17	0.47
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB3	18	0.47
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB3	18	0.47
(3,8)	1:55:A:TYR:HD1	1:55:A:TYR:HB2	18	0.47
(3,8)	1:55:A:TYR:HD2	1:55:A:TYR:HB2	18	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	1	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	2	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	4	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	6	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	7	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	8	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	9	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	10	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	12	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	13	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	14	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	19	0.47
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	20	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	1	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	2	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	3	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	4	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	5	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	6	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	8	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	9	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	11	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	12	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	13	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	15	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	16	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	17	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	18	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	19	0.47
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	20	0.47
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	9	0.47
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	14	0.47
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	18	0.47
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	1	0.47
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	1	0.47
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	1	0.47
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	1	0.47
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	3	0.47
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	6	0.47
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	15	0.47
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	18	0.47
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	2	0.47
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	3	0.47
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	4	0.47
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	7	0.47
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	11	0.47
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	12	0.47
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	14	0.47
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	18	0.47
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	19	0.47
(2,3101)	1:55:A:TYR:HA	1:55:A:TYR:HB2	20	0.47
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	20	0.47
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	20	0.47
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	3	0.47
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	15	0.47
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	13	0.47
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	13	0.47
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	13	0.47
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	1	0.47
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	18	0.47
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	19	0.47
(2,2957)	1:79:A:MET:HG2	1:80:A:LYS:H	5	0.47
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	13	0.47
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	1	0.47
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	2	0.47
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	8	0.47
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	16	0.47
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	17	0.47
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	18	0.47
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	19	0.47
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	2	0.47
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	6	0.47
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	10	0.47
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	13	0.47
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	13	0.47
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	13	0.47
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	15	0.47
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	1	0.47
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	4	0.47
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	5	0.47
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	8	0.47
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	11	0.47
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	12	0.47
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	14	0.47
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	16	0.47
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	17	0.47
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	19	0.47
(2,2601)	1:3:A:LYS:HB2	1:3:A:LYS:HA	20	0.47
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	6	0.47
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	14	0.47
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	16	0.47
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	3	0.47
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	4	0.47
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	11	0.47
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	20	0.47
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	3	0.47
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	14	0.47
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	15	0.47
(2,2352)	1:30:A:LEU:HA	1:30:A:LEU:HG	15	0.47
(2,2327)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	8	0.47
(2,2327)	1:77:A:ARG:HG2	1:77:A:ARG:HD2	17	0.47
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	14	0.47
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	15	0.47
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	17	0.47
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	20	0.47
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	3	0.47
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	9	0.47
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	14	0.47
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	4	0.47
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	7	0.47
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	8	0.47
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	13	0.47
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	16	0.47
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	19	0.47
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	4	0.47
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	5	0.47
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	6	0.47
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	8	0.47
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	12	0.47
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	15	0.47
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	17	0.47
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	19	0.47
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	4	0.47
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	16	0.47
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	3	0.47
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	5	0.47
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	8	0.47
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	11	0.47
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	13	0.47
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	7	0.47
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	7	0.47
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	7	0.47
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	8	0.47
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	8	0.47
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	9	0.47
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	9	0.47
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	9	0.47
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	2	0.47
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	6	0.47
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	10	0.47
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	16	0.47
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	17	0.47
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	18	0.47
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	17	0.47
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	4	0.47
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	12	0.47
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	20	0.47
(2,1790)	1:149:A:ASP:H	1:148:A:LYS:HB3	8	0.47
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	11	0.47
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	11	0.47
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	11	0.47
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	3	0.47
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	5	0.47
(2,1754)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	13	0.47
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	15	0.47
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	15	0.47
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	15	0.47
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	20	0.47
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	12	0.47
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	6	0.47
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	1	0.47
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	7	0.47
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	11	0.47
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	13	0.47
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	11	0.47
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	12	0.47
(2,1513)	1:98:A:PHE:HB2	1:98:A:PHE:HA	16	0.47
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	5	0.47
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	9	0.47
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	17	0.47
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	17	0.47
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	17	0.47
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	3	0.47
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	14	0.47
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	19	0.47
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	4	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	6	0.47
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	11	0.47
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	2	0.47
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	12	0.47
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	4	0.47
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	15	0.47
(2,1158)	1:152:A:GLU:H	1:152:A:GLU:HB3	1	0.47
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	3	0.47
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	1	0.47
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	2	0.47
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	3	0.47
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	4	0.47
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	7	0.47
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	8	0.47
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	9	0.47
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	10	0.47
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	15	0.47
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	19	0.47
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	20	0.47
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	16	0.47
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	16	0.47
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	16	0.47
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	1	0.47
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	14	0.47
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	20	0.47
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	3	0.47
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	16	0.47
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	1	0.47
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	6	0.47
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	7	0.47
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	9	0.47
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	13	0.47
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	15	0.47
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	17	0.47
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	18	0.47
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	2	0.47
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	7	0.47
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	13	0.47
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	11	0.47
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	13	0.47
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	3	0.47
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	18	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	1	0.47
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	6	0.47
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	9	0.47
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	12	0.47
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	13	0.47
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	16	0.47
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	17	0.47
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	18	0.47
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	15	0.47
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	19	0.47
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	19	0.47
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	19	0.47
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	19	0.47
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	19	0.47
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	19	0.47
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	19	0.47
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	19	0.47
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	19	0.47
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	13	0.47
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	12	0.47
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	1	0.47
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	7	0.47
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	8	0.47
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	11	0.47
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	12	0.47
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	16	0.47
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	18	0.47
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	20	0.47
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	18	0.47
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	5	0.47
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	2	0.47
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	3	0.47
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	8	0.47
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	10	0.47
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	11	0.47
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	15	0.47
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	2	0.47
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	5	0.47
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	7	0.47
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	12	0.47
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	18	0.47
(2,348)	1:121:A:GLN:HB3	1:121:A:GLN:H	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	12	0.47
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	12	0.47
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	12	0.47
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	1	0.47
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	1	0.47
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	9	0.47
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	9	0.47
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	12	0.47
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	12	0.47
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	18	0.47
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	18	0.47
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	3	0.47
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	10	0.47
(2,257)	1:105:A:ARG:HG3	1:105:A:ARG:H	17	0.47
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	2	0.47
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	11	0.47
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	13	0.47
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	12	0.47
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	1	0.47
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	10	0.47
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	10	0.47
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	11	0.47
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	3	0.47
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	3	0.47
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	3	0.47
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	3	0.47
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	3	0.47
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	3	0.47
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	14	0.47
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	14	0.47
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	14	0.47
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	17	0.47
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	17	0.47
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	17	0.47
(1,20)	1:123:A:TYR:HE1	1:122:A:HIS:HB3	10	0.47
(1,20)	1:123:A:TYR:HE2	1:122:A:HIS:HB3	10	0.47
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	20	0.47
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	20	0.47
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	20	0.47
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	7	0.47
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	7	0.47
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	12	0.46
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	5	0.46
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	14	0.46
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	18	0.46
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	11	0.46
(4,1492)	1:2:A:ARG:HB3	1:3:A:LYS:H	16	0.46
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	13	0.46
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	13	0.46
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	13	0.46
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	14	0.46
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	14	0.46
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	14	0.46
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	11	0.46
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	13	0.46
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	1	0.46
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	10	0.46
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	13	0.46
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	16	0.46
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	18	0.46
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	14	0.46
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	6	0.46
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	9	0.46
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	19	0.46
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	19	0.46
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	19	0.46
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	19	0.46
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	18	0.46
(4,1186)	1:68:A:LYS:HG3	1:69:A:THR:H	12	0.46
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	3	0.46
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	3	0.46
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	3	0.46
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	8	0.46
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	17	0.46
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	6	0.46
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	14	0.46
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	5	0.46
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	19	0.46
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	1	0.46
(4,1010)	1:79:A:MET:H	1:79:A:MET:HG2	5	0.46
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	20	0.46
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	10	0.46
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	7	0.46
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	4	0.46
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	13	0.46
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	15	0.46
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	3	0.46
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	10	0.46
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	2	0.46
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	1	0.46
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	6	0.46
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	7	0.46
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	19	0.46
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	15	0.46
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	17	0.46
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	19	0.46
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	2	0.46
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	2	0.46
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	20	0.46
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	18	0.46
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	11	0.46
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	18	0.46
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	17	0.46
(4,618)	1:152:A:GLU:HB2	1:153:A:LEU:H	11	0.46
(4,556)	1:100:A:ILE:HB	1:100:A:ILE:H	7	0.46
(4,542)	1:87:A:GLY:HA2	1:88:A:LYS:H	18	0.46
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	10	0.46
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	20	0.46
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	9	0.46
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	16	0.46
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	4	0.46
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	6	0.46
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	15	0.46
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	7	0.46
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	8	0.46
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	6	0.46
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	10	0.46
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	19	0.46
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	10	0.46
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	5	0.46
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	5	0.46
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	5	0.46
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	10	0.46
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	10	0.46
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	15	0.46
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	15	0.46
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	15	0.46
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	17	0.46
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	17	0.46
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	17	0.46
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	4	0.46
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	6	0.46
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	17	0.46
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	19	0.46
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	20	0.46
(4,302)	1:136:A:LYS:HG3	1:136:A:LYS:H	5	0.46
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	2	0.46
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	8	0.46
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	11	0.46
(4,294)	1:29:A:LEU:H	1:28:A:ALA:H	13	0.46
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	7	0.46
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	8	0.46
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	15	0.46
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	6	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	1	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	1	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	1	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	2	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	2	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	2	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	4	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	4	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	4	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	5	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	5	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	5	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	6	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	6	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	6	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	11	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	11	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	11	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	13	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	13	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	15	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	15	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	15	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	16	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	16	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	16	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	19	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	19	0.46
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	19	0.46
(4,196)	1:73:A:SER:H	1:73:A:SER:HB2	7	0.46
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	3	0.46
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	10	0.46
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	11	0.46
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	12	0.46
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	11	0.46
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	14	0.46
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	15	0.46
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	6	0.46
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	12	0.46
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	14	0.46
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	14	0.46
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	2	0.46
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	2	0.46
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	2	0.46
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	2	0.46
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	2	0.46
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	2	0.46
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	12	0.46
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	12	0.46
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	12	0.46
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	12	0.46
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	12	0.46
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	12	0.46
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	13	0.46
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	10	0.46
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	18	0.46
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	3	0.46
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	5	0.46
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	11	0.46
(2,3161)	1:34:A:PRO:HG3	1:34:A:PRO:HB3	17	0.46
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	7	0.46
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3151)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	14	0.46
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	2	0.46
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	2	0.46
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	2	0.46
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	7	0.46
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	15	0.46
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	15	0.46
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	15	0.46
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	19	0.46
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	19	0.46
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	19	0.46
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	14	0.46
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	15	0.46
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	16	0.46
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	17	0.46
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	18	0.46
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	4	0.46
(2,2957)	1:79:A:MET:HG2	1:80:A:LYS:H	13	0.46
(2,2945)	1:35:A:SER:HB3	1:36:A:LEU:H	5	0.46
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	9	0.46
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	14	0.46
(2,2749)	1:49:A:PRO:HA	1:49:A:PRO:HB2	12	0.46
(2,2747)	1:8:A:GLN:HG2	1:8:A:GLN:HE22	10	0.46
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	1	0.46
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	19	0.46
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	4	0.46
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	4	0.46
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	4	0.46
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	1	0.46
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	7	0.46
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	18	0.46
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	9	0.46
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	18	0.46
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	2	0.46
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	7	0.46
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	11	0.46
(2,2563)	1:35:A:SER:HB2	1:36:A:LEU:H	17	0.46
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	19	0.46
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	20	0.46
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	1	0.46
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	10	0.46
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	17	0.46
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	20	0.46
(2,2363)	1:30:A:LEU:HB3	1:31:A:GLN:H	5	0.46
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	17	0.46
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	7	0.46
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	14	0.46
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	2	0.46
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	4	0.46
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	5	0.46
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	12	0.46
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	13	0.46
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	15	0.46
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	2	0.46
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	3	0.46
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	5	0.46
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	6	0.46
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	9	0.46
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	11	0.46
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	12	0.46
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	14	0.46
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	15	0.46
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	17	0.46
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	13	0.46
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	16	0.46
(2,2201)	1:107:A:PRO:HD2	1:107:A:PRO:HA	20	0.46
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	1	0.46
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	3	0.46
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	6	0.46
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	10	0.46
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	11	0.46
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	12	0.46
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	17	0.46
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	18	0.46
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	20	0.46
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	20	0.46
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	2	0.46
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	7	0.46
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	12	0.46
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	20	0.46
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	2	0.46
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	4	0.46
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	2	0.46
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	9	0.46
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	12	0.46
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	16	0.46
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	20	0.46
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	20	0.46
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	20	0.46
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	1	0.46
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	6	0.46
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	15	0.46
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	11	0.46
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	13	0.46
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	19	0.46
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	3	0.46
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	4	0.46
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	8	0.46
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	12	0.46
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	14	0.46
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	20	0.46
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	20	0.46
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	11	0.46
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	2	0.46
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	4	0.46
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	15	0.46
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	15	0.46
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	15	0.46
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG21	19	0.46
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG22	19	0.46
(2,1408)	1:6:A:THR:HA	1:47:A:VAL:HG23	19	0.46
(2,1401)	1:140:A:LYS:HG3	1:140:A:LYS:HD3	15	0.46
(2,1401)	1:140:A:LYS:HG3	1:140:A:LYS:HD3	17	0.46
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	10	0.46
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	13	0.46
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	19	0.46
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	8	0.46
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	15	0.46
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	8	0.46
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	12	0.46
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	14	0.46
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	17	0.46
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	17	0.46
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	15	0.46
(2,1180)	1:34:A:PRO:HD3	1:34:A:PRO:HB3	16	0.46
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	5	0.46
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	6	0.46
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	12	0.46
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	16	0.46
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	18	0.46
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	10	0.46
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	11	0.46
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	16	0.46
(2,1056)	1:76:A:ASN:HB3	1:76:A:ASN:HD22	17	0.46
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	7	0.46
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	2	0.46
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	5	0.46
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	8	0.46
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	10	0.46
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	12	0.46
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	14	0.46
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	16	0.46
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	20	0.46
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	11	0.46
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	2	0.46
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	4	0.46
(2,817)	1:37:A:GLN:HB3	1:38:A:ALA:H	7	0.46
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	2	0.46
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	20	0.46
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	20	0.46
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	20	0.46
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	20	0.46
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	20	0.46
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	20	0.46
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	20	0.46
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	20	0.46
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	20	0.46
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	19	0.46
(2,573)	1:18:A:ILE:HG21	1:19:A:ALA:HA	11	0.46
(2,573)	1:18:A:ILE:HG22	1:19:A:ALA:HA	11	0.46
(2,573)	1:18:A:ILE:HG23	1:19:A:ALA:HA	11	0.46
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	2	0.46
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	5	0.46
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	9	0.46
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	13	0.46
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	19	0.46
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	3	0.46
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	12	0.46
(2,522)	1:140:A:LYS:HG2	1:140:A:LYS:HB2	13	0.46
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	12	0.46
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	7	0.46
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	7	0.46
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	7	0.46
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	10	0.46
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	14	0.46
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	1	0.46
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	4	0.46
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	5	0.46
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	6	0.46
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	7	0.46
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	9	0.46
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	17	0.46
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	18	0.46
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	19	0.46
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	16	0.46
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	16	0.46
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	16	0.46
(2,273)	1:34:A:PRO:HD3	1:34:A:PRO:HA	18	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	1	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	3	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	4	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	5	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	7	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	8	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	9	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	10	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	12	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	13	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	14	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	15	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	16	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	17	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	19	0.46
(2,254)	1:88:A:LYS:HA	1:88:A:LYS:HB2	20	0.46
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	7	0.46
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	17	0.46
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	9	0.46
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	10	0.46
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	1	0.46
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	2	0.46
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	8	0.46
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	16	0.46
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	18	0.46
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	20	0.46
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	7	0.46
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	9	0.46
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	9	0.46
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	9	0.46
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	9	0.46
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	9	0.46
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	9	0.46
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	5	0.46
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	10	0.46
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	12	0.46
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	1	0.45
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	9	0.45
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	10	0.45
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	7	0.45
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	20	0.45
(4,1443)	1:11:A:GLN:HG2	1:11:A:GLN:HE21	17	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	3	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	3	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	3	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	5	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	5	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	5	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	6	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	6	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	6	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	8	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	8	0.45
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	8	0.45
(4,1433)	1:159:A:ASN:HD21	1:159:A:ASN:H	18	0.45
(4,1431)	1:127:A:GLY:H	1:126:A:HIS:HA	16	0.45
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	1	0.45
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	2	0.45
(4,1396)	1:115:A:TRP:H	1:115:A:TRP:HB3	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	13	0.45
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	18	0.45
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	5	0.45
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	20	0.45
(4,1316)	1:5:A:LEU:HD11	1:7:A:TYR:H	11	0.45
(4,1316)	1:5:A:LEU:HD12	1:7:A:TYR:H	11	0.45
(4,1316)	1:5:A:LEU:HD13	1:7:A:TYR:H	11	0.45
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	19	0.45
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	6	0.45
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	5	0.45
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	19	0.45
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	20	0.45
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	4	0.45
(4,1211)	1:153:A:LEU:HB2	1:153:A:LEU:H	9	0.45
(4,1211)	1:153:A:LEU:HB2	1:153:A:LEU:H	15	0.45
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	7	0.45
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	7	0.45
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	7	0.45
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	5	0.45
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	13	0.45
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	16	0.45
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	17	0.45
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	2	0.45
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	7	0.45
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	10	0.45
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	17	0.45
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	6	0.45
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	13	0.45
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	10	0.45
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	3	0.45
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	20	0.45
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	6	0.45
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	8	0.45
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	7	0.45
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	12	0.45
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	15	0.45
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	19	0.45
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	3	0.45
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	10	0.45
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	19	0.45
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	12	0.45
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	10	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	14	0.45
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	15	0.45
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	16	0.45
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	15	0.45
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	9	0.45
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	11	0.45
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	13	0.45
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	16	0.45
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	6	0.45
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	12	0.45
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	12	0.45
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	12	0.45
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	7	0.45
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	15	0.45
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	20	0.45
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	1	0.45
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	13	0.45
(4,479)	1:76:A:ASN:HB3	1:76:A:ASN:HD21	19	0.45
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	19	0.45
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	7	0.45
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	2	0.45
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	14	0.45
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	18	0.45
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	16	0.45
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	3	0.45
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	4	0.45
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	15	0.45
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	16	0.45
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	2	0.45
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	3	0.45
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	4	0.45
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	5	0.45
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	8	0.45
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	9	0.45
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	12	0.45
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	14	0.45
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	15	0.45
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	16	0.45
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	17	0.45
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	20	0.45
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	5	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	3	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	3	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	4	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	4	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	4	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	8	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	8	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	8	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	9	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	9	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	9	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	18	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	18	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	18	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	19	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	19	0.45
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	19	0.45
(4,392)	1:117:A:SER:HA	1:118:A:LEU:H	8	0.45
(4,362)	1:97:A:GLU:H	1:97:A:GLU:HG3	12	0.45
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	5	0.45
(4,359)	1:105:A:ARG:HG3	1:106:A:ASN:H	12	0.45
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	13	0.45
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	13	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	3	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	3	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	3	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	7	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	7	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	7	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	9	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	9	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	9	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	10	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	10	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	10	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	14	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	14	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	14	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	18	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	18	0.45
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	18	0.45
(4,196)	1:73:A:SER:H	1:73:A:SER:HB2	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	8	0.45
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	13	0.45
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	19	0.45
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	18	0.45
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	18	0.45
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	18	0.45
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	8	0.45
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	14	0.45
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	19	0.45
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	6	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	2	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	3	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	4	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	5	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	7	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	8	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	12	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	13	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	14	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	15	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	19	0.45
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	20	0.45
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	16	0.45
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	17	0.45
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	19	0.45
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	2	0.45
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	8	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	1	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	2	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	3	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	4	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	5	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	6	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	7	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	8	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	9	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	10	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	11	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	12	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	14	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	15	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	17	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	18	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	19	0.45
(3,7)	1:115:A:TRP:HE3	1:115:A:TRP:HZ3	20	0.45
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	11	0.45
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	16	0.45
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	17	0.45
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	1	0.45
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	4	0.45
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	19	0.45
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	6	0.45
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	6	0.45
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	6	0.45
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	10	0.45
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	10	0.45
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	10	0.45
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	6	0.45
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	9	0.45
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	19	0.45
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	1	0.45
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	6	0.45
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	14	0.45
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	9	0.45
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	6	0.45
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	6	0.45
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	14	0.45
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	13	0.45
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	4	0.45
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	6	0.45
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	13	0.45
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	19	0.45
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	4	0.45
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	4	0.45
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	1	0.45
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	6	0.45
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	7	0.45
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	20	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	1	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	3	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	5	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	6	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	8	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	9	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	10	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	11	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	12	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	14	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	17	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	18	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	19	0.45
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	20	0.45
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	12	0.45
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	13	0.45
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	18	0.45
(2,2266)	1:29:A:LEU:HG	1:29:A:LEU:H	12	0.45
(2,2250)	1:108:A:GLY:H	1:107:A:PRO:HG3	13	0.45
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	1	0.45
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	17	0.45
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	18	0.45
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	19	0.45
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	20	0.45
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	1	0.45
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	10	0.45
(2,2223)	1:21:A:ASP:HA	1:22:A:PHE:H	18	0.45
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	16	0.45
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	2	0.45
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	5	0.45
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	7	0.45
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	8	0.45
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	9	0.45
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	13	0.45
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	14	0.45
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	15	0.45
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	16	0.45
(2,2121)	1:11:A:GLN:HB3	1:12:A:GLY:H	7	0.45
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	5	0.45
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	14	0.45
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	9	0.45
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	2	0.45
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	6	0.45
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	7	0.45
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	8	0.45
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	18	0.45
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	5	0.45
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	6	0.45
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	10	0.45
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	13	0.45
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	15	0.45
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	16	0.45
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	17	0.45
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	19	0.45
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	4	0.45
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	10	0.45
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	18	0.45
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	1	0.45
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	2	0.45
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	3	0.45
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	4	0.45
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	5	0.45
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	7	0.45
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	11	0.45
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	14	0.45
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	18	0.45
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	20	0.45
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	7	0.45
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	3	0.45
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	3	0.45
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	3	0.45
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	19	0.45
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	19	0.45
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	19	0.45
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	8	0.45
(2,1711)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	15	0.45
(2,1699)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	15	0.45
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	6	0.45
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	9	0.45
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	10	0.45
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	15	0.45
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	16	0.45
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	17	0.45
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	19	0.45
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	8	0.45
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	16	0.45
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	14	0.45
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	3	0.45
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	12	0.45
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	18	0.45
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	4	0.45
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	5	0.45
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	20	0.45
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	8	0.45
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	12	0.45
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	20	0.45
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	11	0.45
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	12	0.45
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	14	0.45
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	1	0.45
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	12	0.45
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	13	0.45
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	1	0.45
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	13	0.45
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	20	0.45
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	9	0.45
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	2	0.45
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	5	0.45
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	8	0.45
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	10	0.45
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	18	0.45
(2,1153)	1:90:A:LEU:HG	1:90:A:LEU:HB3	11	0.45
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	1	0.45
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	2	0.45
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	3	0.45
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	4	0.45
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	7	0.45
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	10	0.45
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	11	0.45
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	12	0.45
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	20	0.45
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	11	0.45
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	19	0.45
(2,1000)	1:110:A:PRO:HD2	1:110:A:PRO:HA	20	0.45
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	4	0.45
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	17	0.45
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	12	0.45
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	10	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	7	0.45
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	2	0.45
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	8	0.45
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	17	0.45
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG21	11	0.45
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG22	11	0.45
(2,693)	1:19:A:ALA:HB1	1:24:A:ILE:HG23	11	0.45
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG21	11	0.45
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG22	11	0.45
(2,693)	1:19:A:ALA:HB2	1:24:A:ILE:HG23	11	0.45
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG21	11	0.45
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG22	11	0.45
(2,693)	1:19:A:ALA:HB3	1:24:A:ILE:HG23	11	0.45
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	5	0.45
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	16	0.45
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	5	0.45
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	3	0.45
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	4	0.45
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	1	0.45
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	18	0.45
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	12	0.45
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	9	0.45
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	18	0.45
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	14	0.45
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	5	0.45
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	5	0.45
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	5	0.45
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	17	0.45
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	17	0.45
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	17	0.45
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	6	0.45
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	20	0.45
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	4	0.45
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	8	0.45
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	8	0.45
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	8	0.45
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	17	0.45
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	4	0.45
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	6	0.45
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	7	0.45
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	9	0.45
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	14	0.45
(2,66)	1:167:A:ARG:HB3	1:167:A:ARG:HG2	15	0.45
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	4	0.45
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	9	0.45
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	11	0.45
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	2	0.45
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	2	0.45
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	2	0.45
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	2	0.45
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	2	0.45
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	2	0.45
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	5	0.45
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	5	0.45
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	5	0.45
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	5	0.45
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	5	0.45
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	5	0.45
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	13	0.45
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	13	0.45
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	13	0.45
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	13	0.45
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	13	0.45
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	13	0.45
(1,20)	1:123:A:TYR:HE1	1:122:A:HIS:HB3	20	0.45
(1,20)	1:123:A:TYR:HE2	1:122:A:HIS:HB3	20	0.45
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	4	0.45
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	4	0.45
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	4	0.45
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	7	0.44
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	12	0.44
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	10	0.44
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	16	0.44
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	6	0.44
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	9	0.44
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	5	0.44
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	1	0.44
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	16	0.44
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	8	0.44
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	11	0.44
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	14	0.44
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	17	0.44
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	10	0.44
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	18	0.44
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	5	0.44
(4,1293)	1:56:A:THR:H	1:57:A:ILE:H	10	0.44
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	6	0.44
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	6	0.44
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	6	0.44
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	13	0.44
(4,1211)	1:153:A:LEU:HB2	1:153:A:LEU:H	10	0.44
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	6	0.44
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	9	0.44
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	15	0.44
(4,1113)	1:89:A:ILE:H	1:88:A:LYS:HB2	18	0.44
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	1	0.44
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	16	0.44
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	1	0.44
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	2	0.44
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	9	0.44
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	18	0.44
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	18	0.44
(4,1010)	1:79:A:MET:H	1:79:A:MET:HG2	17	0.44
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	2	0.44
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	4	0.44
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	13	0.44
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	13	0.44
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	14	0.44
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	15	0.44
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	20	0.44
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	3	0.44
(4,928)	1:97:A:GLU:HA	1:98:A:PHE:H	5	0.44
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	6	0.44
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	17	0.44
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	8	0.44
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	13	0.44
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	16	0.44
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	6	0.44
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	8	0.44
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	9	0.44
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	17	0.44
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	20	0.44
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	8	0.44
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	15	0.44
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	20	0.44
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	2	0.44
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	13	0.44
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	13	0.44
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	18	0.44
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	18	0.44
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	20	0.44
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	20	0.44
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	20	0.44
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	6	0.44
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	9	0.44
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	19	0.44
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	3	0.44
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	6	0.44
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	2	0.44
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	8	0.44
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	12	0.44
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	19	0.44
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	20	0.44
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	1	0.44
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	5	0.44
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	9	0.44
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	20	0.44
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	10	0.44
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	18	0.44
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	1	0.44
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	6	0.44
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	7	0.44
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	11	0.44
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	13	0.44
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	20	0.44
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	6	0.44
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	4	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	1	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	1	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	1	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	6	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	6	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	6	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	7	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	7	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	11	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	11	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	11	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	12	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	12	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	12	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	20	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	20	0.44
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	20	0.44
(4,365)	1:147:A:ASN:H	1:146:A:HIS:HB3	13	0.44
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	2	0.44
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	9	0.44
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	19	0.44
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	13	0.44
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	15	0.44
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	18	0.44
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	2	0.44
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	18	0.44
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	1	0.44
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	2	0.44
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	3	0.44
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	7	0.44
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	10	0.44
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	13	0.44
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	16	0.44
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	17	0.44
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	18	0.44
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	8	0.44
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	8	0.44
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	8	0.44
(4,196)	1:73:A:SER:H	1:73:A:SER:HB2	15	0.44
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	2	0.44
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	6	0.44
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	8	0.44
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	8	0.44
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	8	0.44
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	12	0.44
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	12	0.44
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	12	0.44
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	13	0.44
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	13	0.44
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	14	0.44
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	14	0.44
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	14	0.44
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	16	0.44
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	16	0.44
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	16	0.44
(4,168)	1:146:A:HIS:H	1:145:A:MET:HB2	19	0.44
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	13	0.44
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	15	0.44
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	1	0.44
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	2	0.44
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	3	0.44
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	5	0.44
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	7	0.44
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	8	0.44
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	9	0.44
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	10	0.44
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	12	0.44
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	14	0.44
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	15	0.44
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	18	0.44
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	1	0.44
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	6	0.44
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	9	0.44
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	10	0.44
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	11	0.44
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	16	0.44
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	17	0.44
(4,119)	1:48:A:ILE:H	1:48:A:ILE:HA	18	0.44
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	4	0.44
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	19	0.44
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	12	0.44
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	12	0.44
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	12	0.44
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	12	0.44
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	13	0.44
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	3	0.44
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	6	0.44
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	8	0.44
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	15	0.44
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	20	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD11	10	0.44
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD12	10	0.44
(2,3142)	1:68:A:LYS:HD2	1:84:A:ILE:HD13	10	0.44
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	5	0.44
(2,3109)	1:76:A:ASN:HA	1:77:A:ARG:H	13	0.44
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	5	0.44
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	5	0.44
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	5	0.44
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	7	0.44
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	7	0.44
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	7	0.44
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	17	0.44
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	17	0.44
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	17	0.44
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	4	0.44
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	12	0.44
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	3	0.44
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	5	0.44
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	7	0.44
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	8	0.44
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	9	0.44
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	11	0.44
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	18	0.44
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	4	0.44
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	4	0.44
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	4	0.44
(2,2997)	1:48:A:ILE:H	1:47:A:VAL:HB	1	0.44
(2,2950)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	18	0.44
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	20	0.44
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	20	0.44
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	20	0.44
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	16	0.44
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	19	0.44
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	3	0.44
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	7	0.44
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	9	0.44
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	18	0.44
(2,2683)	1:6:A:THR:H	1:6:A:THR:HB	8	0.44
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	1	0.44
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	1	0.44
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	1	0.44
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	2	0.44
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	14	0.44
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	16	0.44
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	9	0.44
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	18	0.44
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	19	0.44
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	7	0.44
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	2	0.44
(2,2371)	1:77:A:ARG:HA	1:77:A:ARG:HB3	15	0.44
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	13	0.44
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	15	0.44
(2,2266)	1:29:A:LEU:HG	1:29:A:LEU:H	11	0.44
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	8	0.44
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	10	0.44
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	16	0.44
(2,2198)	1:22:A:PHE:HB3	1:22:A:PHE:H	19	0.44
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	8	0.44
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	10	0.44
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	2	0.44
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	11	0.44
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	1	0.44
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	10	0.44
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	14	0.44
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	15	0.44
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	16	0.44
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	19	0.44
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	20	0.44
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	1	0.44
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	3	0.44
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	7	0.44
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	9	0.44
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	12	0.44
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	14	0.44
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	20	0.44
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	6	0.44
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	7	0.44
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	15	0.44
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	16	0.44
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	16	0.44
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	16	0.44
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	10	0.44
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	8	0.44
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	12	0.44
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	16	0.44
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	17	0.44
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	11	0.44
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	11	0.44
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	11	0.44
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	5	0.44
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	20	0.44
(2,1797)	1:48:A:ILE:HG13	1:48:A:ILE:H	1	0.44
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	10	0.44
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	16	0.44
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	16	0.44
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	16	0.44
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	17	0.44
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	17	0.44
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	17	0.44
(2,1664)	1:23:A:ARG:HD2	1:23:A:ARG:H	20	0.44
(2,1657)	1:74:A:LEU:H	1:73:A:SER:HB2	9	0.44
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	7	0.44
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	2	0.44
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	18	0.44
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	2	0.44
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	12	0.44
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	14	0.44
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	19	0.44
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	6	0.44
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	8	0.44
(2,1462)	1:3:A:LYS:HG2	1:3:A:LYS:HA	16	0.44
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	6	0.44
(2,1401)	1:140:A:LYS:HG3	1:140:A:LYS:HD3	3	0.44
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	12	0.44
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	1	0.44
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	4	0.44
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	5	0.44
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	7	0.44
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	9	0.44
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	10	0.44
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	11	0.44
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	16	0.44
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	18	0.44
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	5	0.44
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	13	0.44
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	15	0.44
(2,1219)	1:136:A:LYS:HG3	1:136:A:LYS:HB3	5	0.44
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	9	0.44
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	12	0.44
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	6	0.44
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	6	0.44
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	9	0.44
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	13	0.44
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	14	0.44
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	16	0.44
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	17	0.44
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	18	0.44
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	19	0.44
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	2	0.44
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	1	0.44
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	20	0.44
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	12	0.44
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	12	0.44
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	1	0.44
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	3	0.44
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	5	0.44
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	6	0.44
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	12	0.44
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	14	0.44
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	18	0.44
(2,564)	1:58:A:PRO:HG2	1:58:A:PRO:HA	4	0.44
(2,557)	1:58:A:PRO:HB2	1:58:A:PRO:HA	17	0.44
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	7	0.44
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	13	0.44
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	14	0.44
(2,498)	1:107:A:PRO:HB2	1:107:A:PRO:HA	18	0.44
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	4	0.44
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	17	0.44
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	12	0.44
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	16	0.44
(2,448)	1:83:A:PRO:HG2	1:83:A:PRO:HA	20	0.44
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	2	0.44
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	2	0.44
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	2	0.44
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	3	0.44
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	3	0.44
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	17	0.44
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	11	0.44
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	11	0.44
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	14	0.44
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	14	0.44
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	17	0.44
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	17	0.44
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	20	0.44
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	20	0.44
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	4	0.44
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	7	0.44
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	19	0.44
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	18	0.44
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	3	0.44
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	19	0.44
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	9	0.44
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	1	0.44
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	2	0.44
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	14	0.44
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	17	0.44
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	20	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	6	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	6	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	6	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	6	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	6	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	6	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	10	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	10	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	10	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	10	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	10	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	10	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	12	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	12	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	12	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	12	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	12	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	12	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	15	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	15	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	15	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	15	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	15	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	16	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	16	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	16	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	16	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	16	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	16	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	19	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	19	0.44
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	19	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	19	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	19	0.44
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	19	0.44
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	16	0.44
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	16	0.44
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	16	0.44
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	14	0.44
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	15	0.44
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	19	0.44
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	15	0.43
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	19	0.43
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	20	0.43
(4,1563)	1:7:A:TYR:HB3	1:7:A:TYR:H	14	0.43
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	17	0.43
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	7	0.43
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	14	0.43
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	18	0.43
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	2	0.43
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	5	0.43
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	2	0.43
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	3	0.43
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	12	0.43
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	4	0.43
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	8	0.43
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	11	0.43
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	11	0.43
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	11	0.43
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	20	0.43
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	20	0.43
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	20	0.43
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	6	0.43
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	12	0.43
(4,1211)	1:153:A:LEU:HB2	1:153:A:LEU:H	13	0.43
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	5	0.43
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	5	0.43
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	5	0.43
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	1	0.43
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	2	0.43
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	7	0.43
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	10	0.43
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	11	0.43
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	20	0.43
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	15	0.43
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	13	0.43
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	15	0.43
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	3	0.43
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	10	0.43
(4,1042)	1:87:A:GLY:HA3	1:87:A:GLY:H	2	0.43
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	4	0.43
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	4	0.43
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	4	0.43
(4,1010)	1:79:A:MET:H	1:79:A:MET:HG2	13	0.43
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	11	0.43
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	9	0.43
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	18	0.43
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	20	0.43
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	11	0.43
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	18	0.43
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	4	0.43
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	7	0.43
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	16	0.43
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	18	0.43
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	19	0.43
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	1	0.43
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	3	0.43
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	10	0.43
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	18	0.43
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	19	0.43
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	20	0.43
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	3	0.43
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	4	0.43
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	17	0.43
(4,704)	1:77:A:ARG:HD3	1:78:A:VAL:H	8	0.43
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	8	0.43
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	8	0.43
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	15	0.43
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	15	0.43
(4,682)	1:79:A:MET:H	1:79:A:MET:HG3	12	0.43
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	13	0.43
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	14	0.43
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	3	0.43
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	8	0.43
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	10	0.43
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	13	0.43
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	19	0.43
(4,601)	1:162:A:ARG:HD2	1:162:A:ARG:H	7	0.43
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	7	0.43
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	15	0.43
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	5	0.43
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	1	0.43
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	16	0.43
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	13	0.43
(4,446)	1:161:A:THR:HA	1:162:A:ARG:H	11	0.43
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	12	0.43
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	5	0.43
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	13	0.43
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	16	0.43
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	16	0.43
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	16	0.43
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	16	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	7	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	7	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	7	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	8	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	8	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	8	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	12	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	12	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	12	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	13	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	13	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	13	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	15	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	15	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	15	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	16	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	16	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	16	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	18	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	18	0.43
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	18	0.43
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	6	0.43
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	16	0.43
(4,302)	1:136:A:LYS:HG3	1:136:A:LYS:H	20	0.43
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	19	0.43
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	1	0.43
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	6	0.43
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	10	0.43
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	14	0.43
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	17	0.43
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	20	0.43
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	15	0.43
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB1	12	0.43
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB2	12	0.43
(4,216)	1:137:A:ALA:H	1:137:A:ALA:HB3	12	0.43
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	7	0.43
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	10	0.43
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	2	0.43
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	2	0.43
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	2	0.43
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	3	0.43
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	3	0.43
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	3	0.43
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	4	0.43
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	4	0.43
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	4	0.43
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	5	0.43
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	5	0.43
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	5	0.43
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	9	0.43
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	9	0.43
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	10	0.43
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	10	0.43
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	10	0.43
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	15	0.43
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	15	0.43
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	15	0.43
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	17	0.43
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	17	0.43
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	17	0.43
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	3	0.43
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	9	0.43
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	11	0.43
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	13	0.43
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	4	0.43
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	11	0.43
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	20	0.43
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	1	0.43
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	4	0.43
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	5	0.43
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	6	0.43
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	7	0.43
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	15	0.43
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	20	0.43
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	13	0.43
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	13	0.43
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	5	0.43
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	5	0.43
(2,3198)	1:129:A:ASN:HB2	1:129:A:ASN:H	1	0.43
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	4	0.43
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	13	0.43
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	14	0.43
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	2	0.43
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	2	0.43
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	2	0.43
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	2	0.43
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	3	0.43
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	3	0.43
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	3	0.43
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	18	0.43
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	18	0.43
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	18	0.43
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	12	0.43
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	12	0.43
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	1	0.43
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	2	0.43
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	5	0.43
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	2	0.43
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	12	0.43
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	16	0.43
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	8	0.43
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	8	0.43
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	14	0.43
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	14	0.43
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	17	0.43
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	17	0.43
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	2	0.43
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	6	0.43
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	9	0.43
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	13	0.43
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	17	0.43
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	18	0.43
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	12	0.43
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	8	0.43
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	10	0.43
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	13	0.43
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	15	0.43
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	16	0.43
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	6	0.43
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	6	0.43
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	6	0.43
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	20	0.43
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	20	0.43
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	20	0.43
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	20	0.43
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	12	0.43
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	16	0.43
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	17	0.43
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	18	0.43
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	1	0.43
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	3	0.43
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	8	0.43
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	11	0.43
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	17	0.43
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	9	0.43
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	14	0.43
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	9	0.43
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	10	0.43
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	18	0.43
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	1	0.43
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	18	0.43
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	15	0.43
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	2	0.43
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	3	0.43
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	4	0.43
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	8	0.43
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	11	0.43
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	12	0.43
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	14	0.43
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	13	0.43
(2,2356)	1:46:A:ILE:HG12	1:46:A:ILE:HA	1	0.43
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	9	0.43
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	3	0.43
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	8	0.43
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	19	0.43
(2,2312)	1:139:A:SER:HB3	1:139:A:SER:H	11	0.43
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	12	0.43
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	12	0.43
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	12	0.43
(2,2266)	1:29:A:LEU:HG	1:29:A:LEU:H	7	0.43
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	7	0.43
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	6	0.43
(2,2125)	1:121:A:GLN:HB2	1:121:A:GLN:H	11	0.43
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	6	0.43
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	3	0.43
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	4	0.43
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	11	0.43
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	17	0.43
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	8	0.43
(2,1999)	1:101:A:ILE:HA	1:101:A:ILE:HG12	11	0.43
(2,1886)	1:90:A:LEU:HD11	1:90:A:LEU:H	11	0.43
(2,1886)	1:90:A:LEU:HD12	1:90:A:LEU:H	11	0.43
(2,1886)	1:90:A:LEU:HD13	1:90:A:LEU:H	11	0.43
(2,1846)	1:44:A:GLN:HB3	1:44:A:GLN:HA	8	0.43
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	11	0.43
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	7	0.43
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	7	0.43
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	7	0.43
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	13	0.43
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	19	0.43
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	3	0.43
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	10	0.43
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	20	0.43
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	5	0.43
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	2	0.43
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	2	0.43
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	2	0.43
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	5	0.43
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	5	0.43
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	5	0.43
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	2	0.43
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	4	0.43
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	15	0.43
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	19	0.43
(2,1607)	1:91:A:THR:HB	1:91:A:THR:H	5	0.43
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	15	0.43
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	17	0.43
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	17	0.43
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	4	0.43
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	6	0.43
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	7	0.43
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	8	0.43
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	11	0.43
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	15	0.43
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	17	0.43
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	18	0.43
(2,1525)	1:37:A:GLN:HG2	1:37:A:GLN:HB2	19	0.43
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	17	0.43
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	9	0.43
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	10	0.43
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	15	0.43
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	13	0.43
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	16	0.43
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	19	0.43
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	2	0.43
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	2	0.43
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	6	0.43
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	6	0.43
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	6	0.43
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	9	0.43
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	9	0.43
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	9	0.43
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	10	0.43
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	10	0.43
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	10	0.43
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	11	0.43
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	11	0.43
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	11	0.43
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	12	0.43
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	12	0.43
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	12	0.43
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	13	0.43
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	13	0.43
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	13	0.43
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	14	0.43
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	14	0.43
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	14	0.43
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	17	0.43
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	17	0.43
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	17	0.43
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	3	0.43
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	6	0.43
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	14	0.43
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	17	0.43
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	19	0.43
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	3	0.43
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	4	0.43
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	6	0.43
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	9	0.43
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	16	0.43
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	18	0.43
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	3	0.43
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	9	0.43
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	15	0.43
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	16	0.43
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	15	0.43
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	2	0.43
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	3	0.43
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	4	0.43
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	5	0.43
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	7	0.43
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	9	0.43
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	10	0.43
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	12	0.43
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	13	0.43
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	14	0.43
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	18	0.43
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	13	0.43
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	18	0.43
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	20	0.43
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	20	0.43
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	1	0.43
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	8	0.43
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	15	0.43
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	16	0.43
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	19	0.43
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	4	0.43
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	9	0.43
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	10	0.43
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	13	0.43
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	8	0.43
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	8	0.43
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	16	0.43
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	16	0.43
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	3	0.43
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	5	0.43
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	1	0.43
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	2	0.43
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	3	0.43
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	6	0.43
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	11	0.43
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	13	0.43
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	14	0.43
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	15	0.43
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	19	0.43
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	16	0.43
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	19	0.43
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	4	0.43
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	5	0.43
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	15	0.43
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	4	0.43
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	20	0.43
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	8	0.43
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	11	0.43
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	10	0.43
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	12	0.43
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	1	0.43
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	1	0.43
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	1	0.43
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	1	0.43
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	1	0.43
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	1	0.43
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	7	0.43
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	7	0.43
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	7	0.43
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	7	0.43
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	7	0.43
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	7	0.43
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	11	0.43
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	11	0.43
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	11	0.43
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	11	0.43
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	11	0.43
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	11	0.43
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	18	0.43
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	18	0.43
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	18	0.43
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	18	0.43
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	18	0.43
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	18	0.43
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	7	0.43
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	7	0.43
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	7	0.43
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	10	0.43
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	10	0.43
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	10	0.43
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	2	0.42
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	13	0.42
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	4	0.42
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	7	0.42
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	8	0.42
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	9	0.42
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	11	0.42
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	12	0.42
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	14	0.42
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	15	0.42
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	18	0.42
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	12	0.42
(4,1486)	1:140:A:LYS:HD2	1:141:A:GLY:H	17	0.42
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	4	0.42
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	6	0.42
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	4	0.42
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	4	0.42
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	4	0.42
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	10	0.42
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	10	0.42
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	10	0.42
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	16	0.42
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	16	0.42
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	16	0.42
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	2	0.42
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	4	0.42
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	5	0.42
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	6	0.42
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	9	0.42
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	12	0.42
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	17	0.42
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	19	0.42
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	6	0.42
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	4	0.42
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	9	0.42
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	15	0.42
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	16	0.42
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	18	0.42
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	9	0.42
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	13	0.42
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	10	0.42
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	13	0.42
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	17	0.42
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	1	0.42
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	1	0.42
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	4	0.42
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	4	0.42
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	4	0.42
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	7	0.42
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	7	0.42
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	7	0.42
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	15	0.42
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	15	0.42
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	15	0.42
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	17	0.42
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	17	0.42
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	17	0.42
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	18	0.42
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	18	0.42
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	18	0.42
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	17	0.42
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	17	0.42
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	17	0.42
(4,1227)	1:111:A:PHE:HA	1:112:A:GLY:H	6	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	1	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	2	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	3	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	4	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	5	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	6	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	7	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	8	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	9	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	10	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	11	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	13	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	15	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	16	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	17	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	18	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	19	0.42
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	20	0.42
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	1	0.42
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	16	0.42
(4,1211)	1:153:A:LEU:HB2	1:153:A:LEU:H	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1179)	1:121:A:GLN:HE21	1:121:A:GLN:H	10	0.42
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	10	0.42
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	10	0.42
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	10	0.42
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	4	0.42
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	5	0.42
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	6	0.42
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	8	0.42
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	13	0.42
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	5	0.42
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	12	0.42
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	17	0.42
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	14	0.42
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	14	0.42
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	14	0.42
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	17	0.42
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	17	0.42
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	17	0.42
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	8	0.42
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	13	0.42
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	16	0.42
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	19	0.42
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	9	0.42
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	20	0.42
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	12	0.42
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	2	0.42
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	6	0.42
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	2	0.42
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	13	0.42
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	16	0.42
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	19	0.42
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	20	0.42
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	6	0.42
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	14	0.42
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	17	0.42
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	8	0.42
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	5	0.42
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	3	0.42
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	13	0.42
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	7	0.42
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	8	0.42
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	17	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	1	0.42
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	1	0.42
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	1	0.42
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	15	0.42
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	15	0.42
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	3	0.42
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	5	0.42
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	6	0.42
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	15	0.42
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	4	0.42
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	12	0.42
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	15	0.42
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	17	0.42
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	10	0.42
(4,451)	1:99:A:TYR:HB2	1:99:A:TYR:H	17	0.42
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	6	0.42
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	10	0.42
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	19	0.42
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	1	0.42
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	3	0.42
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	9	0.42
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	13	0.42
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG21	14	0.42
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG22	14	0.42
(4,398)	1:82:A:TYR:H	1:81:A:THR:HG23	14	0.42
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	6	0.42
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	8	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	1	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	1	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	1	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	2	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	2	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	2	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	3	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	3	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	3	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	6	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	6	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	6	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	9	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	9	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	10	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	10	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	10	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	14	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	14	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	14	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	17	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	17	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	17	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	19	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	19	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	19	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	20	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	20	0.42
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	20	0.42
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	5	0.42
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	11	0.42
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	13	0.42
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	20	0.42
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	11	0.42
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	11	0.42
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	11	0.42
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	6	0.42
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	1	0.42
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	15	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	2	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	2	0.42
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	2	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	3	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	3	0.42
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	3	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	4	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	4	0.42
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	4	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	5	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	5	0.42
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	5	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	9	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	9	0.42
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	9	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	10	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	10	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	11	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	11	0.42
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	11	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	14	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	14	0.42
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	14	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	16	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	16	0.42
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	16	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	17	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	17	0.42
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	17	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	19	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	19	0.42
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	19	0.42
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	20	0.42
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	20	0.42
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	20	0.42
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	2	0.42
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	9	0.42
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	4	0.42
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	12	0.42
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	14	0.42
(4,196)	1:73:A:SER:H	1:73:A:SER:HB2	2	0.42
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	9	0.42
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	6	0.42
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	6	0.42
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	6	0.42
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	7	0.42
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	7	0.42
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	7	0.42
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	11	0.42
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	11	0.42
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	11	0.42
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	20	0.42
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	20	0.42
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	20	0.42
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	2	0.42
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	5	0.42
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	12	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	2	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	3	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	5	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	6	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	7	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	8	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	9	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	10	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	12	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	13	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	14	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	15	0.42
(4,99)	1:146:A:HIS:H	1:146:A:HIS:HA	18	0.42
(4,87)	1:80:A:LYS:HD2	1:80:A:LYS:H	13	0.42
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	5	0.42
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	7	0.42
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	7	0.42
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	4	0.42
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	10	0.42
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	18	0.42
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	12	0.42
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	12	0.42
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	12	0.42
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	3	0.42
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	8	0.42
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	8	0.42
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	8	0.42
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	14	0.42
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	14	0.42
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	14	0.42
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	16	0.42
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	16	0.42
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	16	0.42
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	10	0.42
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	13	0.42
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	17	0.42
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	19	0.42
(2,3058)	1:99:A:TYR:HB3	1:99:A:TYR:H	20	0.42
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	10	0.42
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	10	0.42
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	15	0.42
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	19	0.42
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	19	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	1	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	3	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	4	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	5	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	7	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	8	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	10	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	11	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	12	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	14	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	15	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	16	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	19	0.42
(2,2975)	1:137:A:ALA:H	1:137:A:ALA:HA	20	0.42
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	1	0.42
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	5	0.42
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	6	0.42
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	9	0.42
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	10	0.42
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	13	0.42
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	16	0.42
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	20	0.42
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	4	0.42
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	5	0.42
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	19	0.42
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	7	0.42
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	7	0.42
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	7	0.42
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	19	0.42
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	19	0.42
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	19	0.42
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	19	0.42
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	9	0.42
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	7	0.42
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	2	0.42
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	5	0.42
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	9	0.42
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	11	0.42
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	11	0.42
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	4	0.42
(2,2394)	1:136:A:LYS:HG2	1:136:A:LYS:HD2	15	0.42
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	10	0.42
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	15	0.42
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	16	0.42
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	7	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	1	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	2	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	4	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	5	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	6	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	7	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	9	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	10	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	11	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	13	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	14	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	15	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	17	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	18	0.42
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	20	0.42
(2,2266)	1:29:A:LEU:HG	1:29:A:LEU:H	1	0.42
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	7	0.42
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	8	0.42
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	9	0.42
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	14	0.42
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	16	0.42
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	6	0.42
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	12	0.42
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	12	0.42
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	19	0.42
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	8	0.42
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	14	0.42
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	5	0.42
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	12	0.42
(2,2017)	1:79:A:MET:HB2	1:79:A:MET:HA	13	0.42
(2,1932)	1:46:A:ILE:H	1:46:A:ILE:HB	1	0.42
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	1	0.42
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	10	0.42
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	1	0.42
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	15	0.42
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	4	0.42
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	6	0.42
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	7	0.42
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	17	0.42
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	19	0.42
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	20	0.42
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	10	0.42
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	10	0.42
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	10	0.42
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	9	0.42
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	9	0.42
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	9	0.42
(2,1699)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	7	0.42
(2,1699)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	13	0.42
(2,1699)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	17	0.42
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	16	0.42
(2,1641)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	17	0.42
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	4	0.42
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	5	0.42
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	6	0.42
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	7	0.42
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	11	0.42
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	12	0.42
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	13	0.42
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	19	0.42
(2,1401)	1:140:A:LYS:HG3	1:140:A:LYS:HD3	1	0.42
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	7	0.42
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	13	0.42
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	3	0.42
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	4	0.42
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	5	0.42
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	6	0.42
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	8	0.42
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	10	0.42
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	17	0.42
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	1	0.42
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	1	0.42
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	1	0.42
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	3	0.42
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	3	0.42
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	3	0.42
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	4	0.42
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	4	0.42
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	5	0.42
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	5	0.42
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	5	0.42
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	7	0.42
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	7	0.42
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	7	0.42
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	8	0.42
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	8	0.42
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	8	0.42
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	15	0.42
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	15	0.42
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	15	0.42
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	16	0.42
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	16	0.42
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	16	0.42
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	18	0.42
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	18	0.42
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	18	0.42
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	20	0.42
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	20	0.42
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	20	0.42
(2,1284)	1:36:A:LEU:HB3	1:36:A:LEU:H	2	0.42
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	2	0.42
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	5	0.42
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	8	0.42
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	6	0.42
(2,1146)	1:31:A:GLN:HA	1:31:A:GLN:HB3	8	0.42
(2,1093)	1:68:A:LYS:HD3	1:68:A:LYS:HE2	14	0.42
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	1	0.42
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	8	0.42
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	15	0.42
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	17	0.42
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	20	0.42
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	16	0.42
(2,868)	1:44:A:GLN:HB2	1:44:A:GLN:H	7	0.42
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	5	0.42
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	9	0.42
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	10	0.42
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	7	0.42
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	5	0.42
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	3	0.42
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	5	0.42
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	14	0.42
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	17	0.42
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	11	0.42
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	16	0.42
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	19	0.42
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	20	0.42
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	5	0.42
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	5	0.42
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	5	0.42
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	7	0.42
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	7	0.42
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	7	0.42
(2,619)	1:140:A:LYS:HB3	1:140:A:LYS:HD2	10	0.42
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	17	0.42
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	7	0.42
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	19	0.42
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	19	0.42
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	19	0.42
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE1	5	0.42
(2,262)	1:123:A:TYR:HB2	1:123:A:TYR:HE2	5	0.42
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	2	0.42
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	8	0.42
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	11	0.42
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	12	0.42
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	13	0.42
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	4	0.42
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	5	0.42
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	7	0.42
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	8	0.42
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	9	0.42
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	10	0.42
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	12	0.42
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	16	0.42
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	17	0.42
(2,205)	1:92:A:GLN:HA	1:92:A:GLN:HB2	20	0.42
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	11	0.42
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	2	0.42
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	16	0.42
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	2	0.42
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	7	0.42
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	12	0.42
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	15	0.42
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	16	0.42
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	19	0.42
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	5	0.42
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	17	0.42
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	2	0.42
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	4	0.42
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	4	0.42
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	4	0.42
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	4	0.42
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	4	0.42
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	4	0.42
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	15	0.42
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	15	0.42
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	15	0.42
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	9	0.42
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	9	0.42
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	9	0.42
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	3	0.42
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	2	0.41
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	3	0.41
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	17	0.41
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	1	0.41
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	3	0.41
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	6	0.41
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	13	0.41
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	17	0.41
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	13	0.41
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	18	0.41
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	11	0.41
(4,1472)	1:108:A:GLY:H	1:107:A:PRO:HG2	20	0.41
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	16	0.41
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	9	0.41
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	9	0.41
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	9	0.41
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	3	0.41
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	4	0.41
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	7	0.41
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	15	0.41
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	20	0.41
(4,1393)	1:10:A:LYS:HE3	1:11:A:GLN:H	2	0.41
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	15	0.41
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	16	0.41
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	12	0.41
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	19	0.41
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	14	0.41
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	19	0.41
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	6	0.41
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	5	0.41
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	14	0.41
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	8	0.41
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	18	0.41
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	3	0.41
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	3	0.41
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	3	0.41
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	5	0.41
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	5	0.41
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	5	0.41
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	8	0.41
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	8	0.41
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	8	0.41
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	10	0.41
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	10	0.41
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	10	0.41
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	12	0.41
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	12	0.41
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	12	0.41
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	13	0.41
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	13	0.41
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	13	0.41
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	14	0.41
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	14	0.41
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	14	0.41
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	16	0.41
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	16	0.41
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	16	0.41
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	19	0.41
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	19	0.41
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	19	0.41
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	2	0.41
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	2	0.41
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	2	0.41
(4,1225)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	14	0.41
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	2	0.41
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	16	0.41
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	6	0.41
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	6	0.41
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	6	0.41
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	12	0.41
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	12	0.41
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	12	0.41
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	15	0.41
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	15	0.41
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	15	0.41
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	3	0.41
(4,1162)	1:104:A:GLN:HG3	1:104:A:GLN:HE21	14	0.41
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	14	0.41
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	16	0.41
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	17	0.41
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	3	0.41
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	4	0.41
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	8	0.41
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	10	0.41
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	11	0.41
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	14	0.41
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	17	0.41
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	20	0.41
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	3	0.41
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	9	0.41
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	7	0.41
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	16	0.41
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	20	0.41
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	20	0.41
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	20	0.41
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	5	0.41
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	3	0.41
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	4	0.41
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	5	0.41
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	6	0.41
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	9	0.41
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	20	0.41
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	1	0.41
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	9	0.41
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	1	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	1	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	2	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	3	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	4	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	5	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	6	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	7	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	8	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	9	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	10	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	11	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	13	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	14	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	15	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	16	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	17	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	18	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	19	0.41
(4,959)	1:166:A:ASN:HD21	1:166:A:ASN:HD22	20	0.41
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	3	0.41
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	5	0.41
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	12	0.41
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	14	0.41
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	11	0.41
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	20	0.41
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	20	0.41
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	20	0.41
(4,859)	1:58:A:PRO:HD2	1:59:A:TYR:H	3	0.41
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	4	0.41
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	17	0.41
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	7	0.41
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	2	0.41
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	7	0.41
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	2	0.41
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	5	0.41
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	12	0.41
(4,755)	1:82:A:TYR:H	1:81:A:THR:HA	2	0.41
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	5	0.41
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	10	0.41
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	14	0.41
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	15	0.41
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	20	0.41
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	1	0.41
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	1	0.41
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	10	0.41
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	10	0.41
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	2	0.41
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	10	0.41
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	2	0.41
(4,646)	1:149:A:ASP:H	1:149:A:ASP:HB2	17	0.41
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	6	0.41
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	1	0.41
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	8	0.41
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	9	0.41
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	10	0.41
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	12	0.41
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	9	0.41
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	3	0.41
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	17	0.41
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	7	0.41
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	11	0.41
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	12	0.41
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	15	0.41
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	16	0.41
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	18	0.41
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	20	0.41
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	7	0.41
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	8	0.41
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	9	0.41
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	14	0.41
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	18	0.41
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	2	0.41
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	8	0.41
(4,461)	1:140:A:LYS:HG2	1:140:A:LYS:H	3	0.41
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	14	0.41
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	4	0.41
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	19	0.41
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	1	0.41
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	4	0.41
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	8	0.41
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	11	0.41
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	17	0.41
(4,417)	1:86:A:VAL:HA	1:87:A:GLY:H	18	0.41
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	18	0.41
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	1	0.41
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	2	0.41
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	5	0.41
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	19	0.41
(4,365)	1:147:A:ASN:H	1:146:A:HIS:HB3	17	0.41
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	4	0.41
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	4	0.41
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	4	0.41
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	5	0.41
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	5	0.41
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	5	0.41
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	4	0.41
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	7	0.41
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	8	0.41
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	10	0.41
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	15	0.41
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	17	0.41
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	18	0.41
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	20	0.41
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	5	0.41
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	7	0.41
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	10	0.41
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	10	0.41
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	9	0.41
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	14	0.41
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	18	0.41
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	19	0.41
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	2	0.41
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	8	0.41
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	10	0.41
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	1	0.41
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	1	0.41
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	1	0.41
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	6	0.41
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	6	0.41
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	7	0.41
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	7	0.41
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	7	0.41
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	8	0.41
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	8	0.41
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	8	0.41
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	12	0.41
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	12	0.41
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	12	0.41
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	13	0.41
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	13	0.41
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	13	0.41
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	15	0.41
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	15	0.41
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	15	0.41
(4,258)	1:19:A:ALA:HB1	1:19:A:ALA:H	18	0.41
(4,258)	1:19:A:ALA:HB2	1:19:A:ALA:H	18	0.41
(4,258)	1:19:A:ALA:HB3	1:19:A:ALA:H	18	0.41
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	5	0.41
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	1	0.41
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	12	0.41
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	5	0.41
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	11	0.41
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	19	0.41
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	19	0.41
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	19	0.41
(4,165)	1:11:A:GLN:HG3	1:11:A:GLN:HE21	19	0.41
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	16	0.41
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	3	0.41
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	6	0.41
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	10	0.41
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	14	0.41
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	15	0.41
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	18	0.41
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	16	0.41
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	5	0.41
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	15	0.41
(4,83)	1:80:A:LYS:HG3	1:80:A:LYS:H	1	0.41
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	19	0.41
(4,29)	1:146:A:HIS:H	1:146:A:HIS:HB3	4	0.41
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	1	0.41
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	3	0.41
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	3	0.41
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	8	0.41
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	8	0.41
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD1	14	0.41
(3,55)	1:82:A:TYR:HA	1:82:A:TYR:HD2	14	0.41
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	9	0.41
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	9	0.41
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	9	0.41
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	9	0.41
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	9	0.41
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	9	0.41
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	12	0.41
(2,3172)	1:94:A:PRO:HA	1:94:A:PRO:HB2	17	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	1	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	1	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	1	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	2	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	2	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	2	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	3	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	3	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	3	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	4	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	4	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	4	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	5	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	5	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	5	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	7	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	7	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	7	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	8	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	8	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	8	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	9	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	9	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	9	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	10	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	10	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	10	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	11	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	11	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	13	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	13	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	13	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	16	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	16	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	16	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	17	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	17	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	17	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	18	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	18	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	18	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	19	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	19	0.41
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	19	0.41
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	4	0.41
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	4	0.41
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	4	0.41
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	8	0.41
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	20	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	1	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	1	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	2	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	2	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	3	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	3	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	4	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	4	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	7	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	7	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	9	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	9	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	11	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	11	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	12	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	12	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	13	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	13	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	18	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	20	0.41
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	20	0.41
(2,2957)	1:79:A:MET:HG2	1:80:A:LYS:H	4	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	2	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	3	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	4	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	7	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	8	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	11	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	12	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	14	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	15	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	17	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	18	0.41
(2,2921)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	19	0.41
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	7	0.41
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	7	0.41
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	7	0.41
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	10	0.41
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	10	0.41
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	10	0.41
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	12	0.41
(2,2708)	1:136:A:LYS:HG3	1:136:A:LYS:HA	2	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	5	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	5	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	5	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	11	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	11	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	11	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	15	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	15	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	15	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	17	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	17	0.41
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	17	0.41
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	2	0.41
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	20	0.41
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	2	0.41
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	3	0.41
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	15	0.41
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	20	0.41
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	20	0.41
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	7	0.41
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	2	0.41
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	6	0.41
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	12	0.41
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	2	0.41
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	3	0.41
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	5	0.41
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	11	0.41
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	12	0.41
(2,2351)	1:148:A:LYS:HG3	1:148:A:LYS:HB3	16	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	2	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	3	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	4	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	5	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	6	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	10	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	11	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	12	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	13	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	15	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	17	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	18	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	19	0.41
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	20	0.41
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	7	0.41
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	9	0.41
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	10	0.41
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	11	0.41
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	14	0.41
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	18	0.41
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	19	0.41
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	7	0.41
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	9	0.41
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	10	0.41
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	11	0.41
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	14	0.41
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	15	0.41
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	18	0.41
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	19	0.41
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	20	0.41
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	6	0.41
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	12	0.41
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	14	0.41
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	20	0.41
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	4	0.41
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	14	0.41
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	4	0.41
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	3	0.41
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	3	0.41
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	3	0.41
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	3	0.41
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	11	0.41
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	3	0.41
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	16	0.41
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	9	0.41
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	17	0.41
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	19	0.41
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	9	0.41
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	2	0.41
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	3	0.41
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	10	0.41
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	13	0.41
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	18	0.41
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	19	0.41
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	11	0.41
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	12	0.41
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	12	0.41
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	14	0.41
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	16	0.41
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	17	0.41
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	12	0.41
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	1	0.41
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	17	0.41
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	16	0.41
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	1	0.41
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	7	0.41
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	18	0.41
(2,1348)	1:150:A:VAL:HG21	1:150:A:VAL:H	19	0.41
(2,1348)	1:150:A:VAL:HG22	1:150:A:VAL:H	19	0.41
(2,1348)	1:150:A:VAL:HG23	1:150:A:VAL:H	19	0.41
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	7	0.41
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	10	0.41
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	17	0.41
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	13	0.41
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	13	0.41
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	13	0.41
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	18	0.41
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	6	0.41
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	16	0.41
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	13	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	2	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	3	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	4	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	5	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	6	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	8	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	9	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	12	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	13	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	15	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	16	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	18	0.41
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	20	0.41
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	6	0.41
(2,1006)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	16	0.41
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	5	0.41
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	11	0.41
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	9	0.41
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	10	0.41
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	14	0.41
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	5	0.41
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	18	0.41
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	20	0.41
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	7	0.41
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	1	0.41
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	11	0.41
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	19	0.41
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	20	0.41
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	4	0.41
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	7	0.41
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	8	0.41
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	14	0.41
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	19	0.41
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	5	0.41
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	11	0.41
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	13	0.41
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	1	0.41
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	2	0.41
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	3	0.41
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	6	0.41
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	11	0.41
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	19	0.41
(2,698)	1:40:A:LEU:HB2	1:41:A:THR:H	7	0.41
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	3	0.41
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	3	0.41
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	3	0.41
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	4	0.41
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	4	0.41
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	4	0.41
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	6	0.41
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	6	0.41
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	6	0.41
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	12	0.41
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	12	0.41
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	12	0.41
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	13	0.41
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	13	0.41
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	13	0.41
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	15	0.41
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	15	0.41
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	15	0.41
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	16	0.41
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	16	0.41
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	16	0.41
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	20	0.41
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	20	0.41
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	20	0.41
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	1	0.41
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	19	0.41
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	2	0.41
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	4	0.41
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	10	0.41
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	8	0.41
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	2	0.41
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	16	0.41
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	16	0.41
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	16	0.41
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	1	0.41
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	9	0.41
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	10	0.41
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	15	0.41
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	16	0.41
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	17	0.41
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	2	0.41
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	4	0.41
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	7	0.41
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	10	0.41
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	11	0.41
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	13	0.41
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	15	0.41
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	18	0.41
(2,193)	1:133:A:SER:HB3	1:133:A:SER:HA	20	0.41
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	10	0.41
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	4	0.41
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	5	0.41
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	6	0.41
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	12	0.41
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	15	0.41
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	17	0.41
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	18	0.41
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	2	0.41
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	19	0.41
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	2	0.41
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	14	0.41
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	1	0.41
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	3	0.41
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	5	0.41
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	6	0.41
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	8	0.41
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	9	0.41
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	10	0.41
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	11	0.41
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	13	0.41
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	17	0.41
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,102)	1:97:A:GLU:HB2	1:97:A:GLU:H	19	0.41
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	9	0.41
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	16	0.41
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	17	0.41
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	8	0.41
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	8	0.41
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	8	0.41
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	8	0.41
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	8	0.41
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	8	0.41
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	18	0.41
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	18	0.41
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	18	0.41
(1,20)	1:123:A:TYR:HE1	1:122:A:HIS:HB3	6	0.41
(1,20)	1:123:A:TYR:HE2	1:122:A:HIS:HB3	6	0.41
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	16	0.41
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	16	0.41
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	16	0.41
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	18	0.41
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	15	0.4
(4,1565)	1:164:A:THR:HA	1:165:A:ILE:H	5	0.4
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	4	0.4
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	4	0.4
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	8	0.4
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	9	0.4
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	14	0.4
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	17	0.4
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	20	0.4
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	3	0.4
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	3	0.4
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	3	0.4
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	13	0.4
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	13	0.4
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	13	0.4
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	17	0.4
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	17	0.4
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	17	0.4
(4,1472)	1:108:A:GLY:H	1:107:A:PRO:HG2	4	0.4
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	3	0.4
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	7	0.4
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	9	0.4
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	12	0.4
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	12	0.4
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	12	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	1	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	2	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	5	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	6	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	8	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	9	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	10	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	11	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	12	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	13	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	14	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	15	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	16	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	17	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	18	0.4
(4,1410)	1:130:A:ASN:HA	1:130:A:ASN:H	19	0.4
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	4	0.4
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	6	0.4
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	9	0.4
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	12	0.4
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	13	0.4
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	19	0.4
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	10	0.4
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	4	0.4
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	9	0.4
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	16	0.4
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	13	0.4
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	3	0.4
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	13	0.4
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	19	0.4
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	7	0.4
(4,1352)	1:46:A:ILE:H	1:45:A:SER:HA	10	0.4
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	7	0.4
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	1	0.4
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	11	0.4
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	13	0.4
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	5	0.4
(4,1248)	1:103:A:ARG:HD3	1:104:A:GLN:H	8	0.4
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	11	0.4
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	2	0.4
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	2	0.4
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	2	0.4
(4,1239)	1:154:A:ALA:HB1	1:154:A:ALA:H	9	0.4
(4,1239)	1:154:A:ALA:HB2	1:154:A:ALA:H	9	0.4
(4,1239)	1:154:A:ALA:HB3	1:154:A:ALA:H	9	0.4
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	14	0.4
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	16	0.4
(4,1175)	1:119:A:SER:H	1:119:A:SER:HB3	5	0.4
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	17	0.4
(4,1115)	1:115:A:TRP:HA	1:116:A:LEU:H	6	0.4
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	3	0.4
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	9	0.4
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	10	0.4
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	18	0.4
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	19	0.4
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	1	0.4
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	2	0.4
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	5	0.4
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	6	0.4
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	7	0.4
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	9	0.4
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	12	0.4
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	15	0.4
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	16	0.4
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	18	0.4
(4,1070)	1:8:A:GLN:HA	1:9:A:VAL:H	19	0.4
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	2	0.4
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	1	0.4
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	11	0.4
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	12	0.4
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	15	0.4
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	2	0.4
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	8	0.4
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	5	0.4
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	7	0.4
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	5	0.4
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	8	0.4
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	18	0.4
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	7	0.4
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	17	0.4
(4,908)	1:29:A:LEU:H	1:28:A:ALA:H	13	0.4
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	5	0.4
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	5	0.4
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	5	0.4
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	9	0.4
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	9	0.4
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	9	0.4
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	19	0.4
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	19	0.4
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	19	0.4
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	13	0.4
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	11	0.4
(4,851)	1:77:A:ARG:HG3	1:77:A:ARG:H	11	0.4
(4,820)	1:77:A:ARG:HD2	1:78:A:VAL:H	18	0.4
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	7	0.4
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	5	0.4
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	16	0.4
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	1	0.4
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	5	0.4
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	4	0.4
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	6	0.4
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	4	0.4
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	7	0.4
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	16	0.4
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	18	0.4
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	14	0.4
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	14	0.4
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	6	0.4
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	12	0.4
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	2	0.4
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	11	0.4
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	2	0.4
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	4	0.4
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	12	0.4
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	2	0.4
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	4	0.4
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	5	0.4
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	14	0.4
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	2	0.4
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	8	0.4
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	8	0.4
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	13	0.4
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	7	0.4
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	13	0.4
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	14	0.4
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	9	0.4
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	4	0.4
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	7	0.4
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	10	0.4
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	13	0.4
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	15	0.4
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	20	0.4
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB1	11	0.4
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB2	11	0.4
(4,341)	1:42:A:ALA:H	1:42:A:ALA:HB3	11	0.4
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	1	0.4
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	12	0.4
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	14	0.4
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	14	0.4
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	18	0.4
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	14	0.4
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	14	0.4
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	14	0.4
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	8	0.4
(4,302)	1:136:A:LYS:HG3	1:136:A:LYS:H	1	0.4
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	1	0.4
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	1	0.4
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	1	0.4
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	5	0.4
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	8	0.4
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	18	0.4
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	17	0.4
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	3	0.4
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	7	0.4
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	13	0.4
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	18	0.4
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	19	0.4
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	4	0.4
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	10	0.4
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	18	0.4
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	8	0.4
(4,196)	1:73:A:SER:H	1:73:A:SER:HB2	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,196)	1:73:A:SER:H	1:73:A:SER:HB2	5	0.4
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	1	0.4
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	10	0.4
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	2	0.4
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	14	0.4
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	15	0.4
(4,169)	1:48:A:ILE:HD11	1:48:A:ILE:H	1	0.4
(4,169)	1:48:A:ILE:HD12	1:48:A:ILE:H	1	0.4
(4,169)	1:48:A:ILE:HD13	1:48:A:ILE:H	1	0.4
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	4	0.4
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	11	0.4
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	8	0.4
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	8	0.4
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	9	0.4
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	13	0.4
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	17	0.4
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	20	0.4
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	5	0.4
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	5	0.4
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	17	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	1	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	2	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	3	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	4	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	5	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	6	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	7	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	8	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	9	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	10	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	11	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	12	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	13	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	14	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	15	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	16	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	17	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	18	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	19	0.4
(4,18)	1:62:A:ALA:HA	1:62:A:ALA:H	20	0.4
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	4	0.4
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,56)	1:99:A:TYR:HD1	1:99:A:TYR:HA	4	0.4
(3,56)	1:99:A:TYR:HD2	1:99:A:TYR:HA	4	0.4
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	14	0.4
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	14	0.4
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	14	0.4
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	14	0.4
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	14	0.4
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	14	0.4
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	3	0.4
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	8	0.4
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	13	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	6	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	6	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	6	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	14	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	14	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	14	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	15	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	15	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	15	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD11	20	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD12	20	0.4
(2,3155)	1:24:A:ILE:HA	1:24:A:ILE:HD13	20	0.4
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	17	0.4
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	9	0.4
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	9	0.4
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	9	0.4
(2,3073)	1:25:A:SER:H	1:25:A:SER:HB3	7	0.4
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	4	0.4
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	4	0.4
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	4	0.4
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	5	0.4
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	5	0.4
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE1	16	0.4
(2,3027)	1:123:A:TYR:HB3	1:123:A:TYR:HE2	16	0.4
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	6	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	1	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	2	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	3	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	4	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	5	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	7	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	8	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	9	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	10	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	11	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	13	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	15	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	16	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	17	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	18	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	19	0.4
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	20	0.4
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	3	0.4
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	17	0.4
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	6	0.4
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	6	0.4
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	6	0.4
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	3	0.4
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	3	0.4
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	3	0.4
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	4	0.4
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	4	0.4
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	4	0.4
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	5	0.4
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	5	0.4
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	5	0.4
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	12	0.4
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	12	0.4
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	12	0.4
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	13	0.4
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	13	0.4
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	13	0.4
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	15	0.4
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	15	0.4
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	15	0.4
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	16	0.4
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	16	0.4
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	16	0.4
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	3	0.4
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	9	0.4
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	11	0.4
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	20	0.4
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	7	0.4
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	13	0.4
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	2	0.4
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	2	0.4
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	2	0.4
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	18	0.4
(2,2651)	1:111:A:PHE:HB2	1:112:A:GLY:H	6	0.4
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	1	0.4
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	3	0.4
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	5	0.4
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	6	0.4
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	8	0.4
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	9	0.4
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	12	0.4
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	13	0.4
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	14	0.4
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	18	0.4
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	11	0.4
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	20	0.4
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	13	0.4
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	1	0.4
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	4	0.4
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	8	0.4
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	15	0.4
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	16	0.4
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	16	0.4
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	18	0.4
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	2	0.4
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	7	0.4
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	20	0.4
(2,2393)	1:104:A:GLN:HG2	1:104:A:GLN:HA	18	0.4
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	1	0.4
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	4	0.4
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	6	0.4
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	12	0.4
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	14	0.4
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	18	0.4
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	19	0.4
(2,2241)	1:16:A:ASN:HB3	1:16:A:ASN:HA	1	0.4
(2,2227)	1:89:A:ILE:HB	1:90:A:LEU:H	11	0.4
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	1	0.4
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	2	0.4
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	3	0.4
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	4	0.4
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	5	0.4
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	8	0.4
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	13	0.4
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	15	0.4
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	16	0.4
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	1	0.4
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	2	0.4
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	3	0.4
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	4	0.4
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	5	0.4
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	8	0.4
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	13	0.4
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	16	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	1	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	2	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	3	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	5	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	7	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	8	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	9	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	10	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	11	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	13	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	15	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	16	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	18	0.4
(2,2082)	1:151:A:ILE:HG13	1:151:A:ILE:HB	19	0.4
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	3	0.4
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	1	0.4
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	2	0.4
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	9	0.4
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	12	0.4
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	18	0.4
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	20	0.4
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	20	0.4
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	20	0.4
(2,1830)	1:158:A:PRO:HG3	1:158:A:PRO:HA	9	0.4
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	7	0.4
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	12	0.4
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	14	0.4
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	17	0.4
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	18	0.4
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	2	0.4
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	5	0.4
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	10	0.4
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	13	0.4
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	15	0.4
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	8	0.4
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	8	0.4
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	8	0.4
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	6	0.4
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	1	0.4
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	4	0.4
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	1	0.4
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	4	0.4
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	2	0.4
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	3	0.4
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	4	0.4
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	5	0.4
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	7	0.4
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	8	0.4
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	11	0.4
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	18	0.4
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	20	0.4
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	1	0.4
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	7	0.4
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	11	0.4
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	3	0.4
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	5	0.4
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	11	0.4
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	14	0.4
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	19	0.4
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	8	0.4
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	14	0.4
(2,1358)	1:140:A:LYS:HB3	1:140:A:LYS:H	3	0.4
(2,1257)	1:52:A:PRO:HA	1:52:A:PRO:HD3	20	0.4
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	2	0.4
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	3	0.4
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	20	0.4
(2,1189)	1:126:A:HIS:HD2	1:126:A:HIS:HA	14	0.4
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	7	0.4
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	18	0.4
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	19	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	3	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	3	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	3	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	4	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	4	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	4	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	12	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	12	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	12	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	16	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	16	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	16	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	17	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	17	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	17	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	19	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	19	0.4
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	19	0.4
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	19	0.4
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	14	0.4
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	1	0.4
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	7	0.4
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	10	0.4
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	11	0.4
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	17	0.4
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	19	0.4
(2,942)	1:123:A:TYR:HA	1:124:A:GLY:H	16	0.4
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	1	0.4
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	3	0.4
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	12	0.4
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	17	0.4
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	19	0.4
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	9	0.4
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	13	0.4
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	15	0.4
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	18	0.4
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	3	0.4
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	4	0.4
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	5	0.4
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	6	0.4
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	9	0.4
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	12	0.4
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	14	0.4
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	15	0.4
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	18	0.4
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	1	0.4
(2,804)	1:2:A:ARG:HB2	1:2:A:ARG:HA	10	0.4
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	9	0.4
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	4	0.4
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	7	0.4
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	8	0.4
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	9	0.4
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	10	0.4
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	12	0.4
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	13	0.4
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	15	0.4
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	16	0.4
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	20	0.4
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	2	0.4
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	2	0.4
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	2	0.4
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	8	0.4
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	8	0.4
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	8	0.4
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	10	0.4
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	10	0.4
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	10	0.4
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	11	0.4
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	11	0.4
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	11	0.4
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	19	0.4
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	19	0.4
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	19	0.4
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	4	0.4
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	2	0.4
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	3	0.4
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	4	0.4
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	6	0.4
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	9	0.4
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	12	0.4
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	14	0.4
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	15	0.4
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	16	0.4
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	17	0.4
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	18	0.4
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	13	0.4
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	13	0.4
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	13	0.4
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	15	0.4
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	1	0.4
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	10	0.4
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	14	0.4
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	19	0.4
(2,139)	1:131:A:PRO:HD2	1:131:A:PRO:HA	14	0.4
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	3	0.4
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	6	0.4
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	5	0.4
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	5	0.4
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	6	0.4
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	9	0.4
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	10	0.4
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	11	0.4
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	16	0.4
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	12	0.4
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	12	0.4
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	12	0.4
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	14	0.4
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	14	0.4
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	14	0.4
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	14	0.4
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	14	0.4
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	14	0.4
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	19	0.4
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	19	0.4
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	19	0.4
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	10	0.39
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	16	0.39
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	17	0.39
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	7	0.39
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	20	0.39
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	5	0.39
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	10	0.39
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	11	0.39
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	15	0.39
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	16	0.39
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	3	0.39
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	18	0.39
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	1	0.39
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	1	0.39
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	2	0.39
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	8	0.39
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	10	0.39
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	12	0.39
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	14	0.39
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	18	0.39
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	3	0.39
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	16	0.39
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	18	0.39
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	3	0.39
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	10	0.39
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	15	0.39
(4,1367)	1:108:A:GLY:H	1:107:A:PRO:HB2	14	0.39
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	1	0.39
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	2	0.39
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	4	0.39
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	6	0.39
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	7	0.39
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	8	0.39
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	9	0.39
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	11	0.39
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	14	0.39
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	3	0.39
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	3	0.39
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	3	0.39
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	3	0.39
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	7	0.39
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	1	0.39
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	4	0.39
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	6	0.39
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	20	0.39
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	1	0.39
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	12	0.39
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	13	0.39
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	19	0.39
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	3	0.39
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	6	0.39
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	18	0.39
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	2	0.39
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	8	0.39
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	8	0.39
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	8	0.39
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	4	0.39
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	14	0.39
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	17	0.39
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	2	0.39
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	4	0.39
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	8	0.39
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	20	0.39
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	17	0.39
(4,1000)	1:3:A:LYS:H	1:4:A:LEU:H	6	0.39
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	17	0.39
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	18	0.39
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	4	0.39
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	12	0.39
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	15	0.39
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	20	0.39
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	8	0.39
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	9	0.39
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	10	0.39
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	14	0.39
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	11	0.39
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	1	0.39
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	2	0.39
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	6	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	2	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	2	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	2	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	7	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	7	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	7	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	8	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	8	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	11	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	11	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	11	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	12	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	12	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	12	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	16	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	16	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	16	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	17	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	17	0.39
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	17	0.39
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	6	0.39
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	10	0.39
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	9	0.39
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	12	0.39
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	3	0.39
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	9	0.39
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	10	0.39
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	12	0.39
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	1	0.39
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	5	0.39
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	4	0.39
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	15	0.39
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	16	0.39
(4,723)	1:56:A:THR:H	1:55:A:TYR:H	13	0.39
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	3	0.39
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	6	0.39
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	9	0.39
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	19	0.39
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	7	0.39
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	20	0.39
(4,667)	1:3:A:LYS:HB2	1:3:A:LYS:H	18	0.39
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	6	0.39
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	11	0.39
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	9	0.39
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	14	0.39
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	18	0.39
(4,541)	1:129:A:ASN:HB2	1:129:A:ASN:HD21	14	0.39
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	8	0.39
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	9	0.39
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	10	0.39
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	13	0.39
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	19	0.39
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	6	0.39
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	17	0.39
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	5	0.39
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	15	0.39
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	20	0.39
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	14	0.39
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	15	0.39
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	16	0.39
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	19	0.39
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	20	0.39
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	3	0.39
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	9	0.39
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	11	0.39
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	14	0.39
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	17	0.39
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	18	0.39
(4,365)	1:147:A:ASN:H	1:146:A:HIS:HB3	11	0.39
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	1	0.39
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	6	0.39
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	10	0.39
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	12	0.39
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	8	0.39
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	11	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	3	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	3	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	3	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	6	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	6	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	6	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	7	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	7	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	7	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	11	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	11	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	11	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	18	0.39
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	18	0.39
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	3	0.39
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	5	0.39
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	13	0.39
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	15	0.39
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	16	0.39
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	1	0.39
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	5	0.39
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	6	0.39
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	11	0.39
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	14	0.39
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	16	0.39
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	20	0.39
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	3	0.39
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	6	0.39
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	8	0.39
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	15	0.39
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	19	0.39
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	5	0.39
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	16	0.39
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	17	0.39
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	4	0.39
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	13	0.39
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	14	0.39
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	20	0.39
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	1	0.39
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	7	0.39
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	16	0.39
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	19	0.39
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	8	0.39
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	4	0.39
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	14	0.39
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	1	0.39
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	8	0.39
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	15	0.39
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	1	0.39
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	11	0.39
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	11	0.39
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	11	0.39
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	13	0.39
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	13	0.39
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	12	0.39
(2,2912)	1:74:A:LEU:HB3	1:74:A:LEU:HA	14	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	1	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	2	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	3	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	4	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	5	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	7	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	8	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	9	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	10	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	11	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	12	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	13	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	14	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	15	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	16	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	17	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	18	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	19	0.39
(2,2830)	1:117:A:SER:HA	1:117:A:SER:HB2	20	0.39
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	9	0.39
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	1	0.39
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	1	0.39
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	1	0.39
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	9	0.39
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	9	0.39
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	9	0.39
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	14	0.39
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	14	0.39
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	14	0.39
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	17	0.39
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	17	0.39
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	17	0.39
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	18	0.39
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	18	0.39
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	18	0.39
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	19	0.39
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	19	0.39
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	19	0.39
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	13	0.39
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	3	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	3	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	3	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	3	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	8	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	8	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	8	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	14	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	14	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	14	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	16	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	16	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	16	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	18	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	18	0.39
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	18	0.39
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	11	0.39
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	10	0.39
(2,2600)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	11	0.39
(2,2593)	1:74:A:LEU:HG	1:75:A:ASN:H	14	0.39
(2,2566)	1:166:A:ASN:H	1:166:A:ASN:HB3	19	0.39
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	7	0.39
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	17	0.39
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	2	0.39
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	10	0.39
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	4	0.39
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	10	0.39
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	13	0.39
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	10	0.39
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	10	0.39
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	10	0.39
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	9	0.39
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	19	0.39
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	9	0.39
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	17	0.39
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	2	0.39
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	10	0.39
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	15	0.39
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	19	0.39
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	1	0.39
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	7	0.39
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	12	0.39
(2,2266)	1:29:A:LEU:HG	1:29:A:LEU:H	4	0.39
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	17	0.39
(2,2206)	1:65:A:ILE:HG13	1:65:A:ILE:HA	20	0.39
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	17	0.39
(2,2116)	1:65:A:ILE:HG13	1:65:A:ILE:HA	20	0.39
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	8	0.39
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	3	0.39
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	13	0.39
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	3	0.39
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	3	0.39
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	5	0.39
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	7	0.39
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	8	0.39
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	10	0.39
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	11	0.39
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	13	0.39
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	15	0.39
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	5	0.39
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	15	0.39
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	20	0.39
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	2	0.39
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	2	0.39
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	2	0.39
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	6	0.39
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	19	0.39
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	1	0.39
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	8	0.39
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	9	0.39
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	11	0.39
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	12	0.39
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	14	0.39
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	2	0.39
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	2	0.39
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	2	0.39
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	7	0.39
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	7	0.39
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	7	0.39
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	19	0.39
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	11	0.39
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	12	0.39
(2,1560)	1:40:A:LEU:HA	1:40:A:LEU:HG	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	8	0.39
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	12	0.39
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	14	0.39
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	16	0.39
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	4	0.39
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	9	0.39
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	1	0.39
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	6	0.39
(2,1480)	1:158:A:PRO:HD2	1:158:A:PRO:HB3	15	0.39
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	4	0.39
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	2	0.39
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	4	0.39
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	6	0.39
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	7	0.39
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	8	0.39
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	9	0.39
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	10	0.39
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	12	0.39
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	13	0.39
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	20	0.39
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	12	0.39
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	9	0.39
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	20	0.39
(2,1232)	1:11:A:GLN:HA	1:11:A:GLN:HB2	6	0.39
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	4	0.39
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	7	0.39
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	19	0.39
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	20	0.39
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	7	0.39
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	7	0.39
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	7	0.39
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	4	0.39
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	6	0.39
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	7	0.39
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	11	0.39
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	13	0.39
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	14	0.39
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	18	0.39
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	19	0.39
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	4	0.39
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	14	0.39
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	14	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	1	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	1	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	1	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	5	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	5	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	5	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	6	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	6	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	6	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	7	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	7	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	7	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	8	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	8	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	8	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	10	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	10	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	10	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	11	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	11	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	11	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	13	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	13	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	13	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	14	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	14	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	14	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	18	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	18	0.39
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	18	0.39
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	11	0.39
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	11	0.39
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	11	0.39
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	11	0.39
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	19	0.39
(2,1021)	1:68:A:LYS:HD3	1:68:A:LYS:HG2	14	0.39
(2,993)	1:121:A:GLN:HG2	1:121:A:GLN:HA	11	0.39
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	15	0.39
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	2	0.39
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	4	0.39
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	14	0.39
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	17	0.39
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	8	0.39
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	10	0.39
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	16	0.39
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	17	0.39
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	1	0.39
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	9	0.39
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	9	0.39
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	9	0.39
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	14	0.39
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	14	0.39
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	14	0.39
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	17	0.39
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	17	0.39
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	17	0.39
(2,649)	1:47:A:VAL:HG21	1:48:A:ILE:H	18	0.39
(2,649)	1:47:A:VAL:HG22	1:48:A:ILE:H	18	0.39
(2,649)	1:47:A:VAL:HG23	1:48:A:ILE:H	18	0.39
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	4	0.39
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	17	0.39
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	20	0.39
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	5	0.39
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	18	0.39
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	10	0.39
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	13	0.39
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	20	0.39
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	12	0.39
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	12	0.39
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	12	0.39
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	1	0.39
(2,434)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	17	0.39
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	6	0.39
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	6	0.39
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	14	0.39
(2,245)	1:131:A:PRO:HB2	1:131:A:PRO:HD2	18	0.39
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	18	0.39
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	3	0.39
(2,177)	1:44:A:GLN:HG2	1:44:A:GLN:HA	9	0.39
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	17	0.39
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	16	0.39
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	17	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	5	0.39
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	9	0.39
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	11	0.39
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	2	0.39
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	4	0.39
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	8	0.39
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	10	0.39
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	12	0.39
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	17	0.39
(2,5)	1:31:A:GLN:HA	1:31:A:GLN:HG2	13	0.39
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	3	0.39
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	14	0.39
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	19	0.39
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	20	0.39
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	1	0.39
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	1	0.39
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	1	0.39
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	3	0.39
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	3	0.39
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	3	0.39
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	17	0.39
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	17	0.39
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	17	0.39
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD11	17	0.39
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD12	17	0.39
(1,36)	1:123:A:TYR:HE1	1:90:A:LEU:HD13	17	0.39
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD11	17	0.39
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD12	17	0.39
(1,36)	1:123:A:TYR:HE2	1:90:A:LEU:HD13	17	0.39
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	20	0.39
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	3	0.38
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	8	0.38
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	13	0.38
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	14	0.38
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	18	0.38
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	20	0.38
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	4	0.38
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	13	0.38
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	14	0.38
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	16	0.38
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	17	0.38
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	2	0.38
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	3	0.38
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	6	0.38
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	19	0.38
(4,1501)	1:133:A:SER:HB3	1:133:A:SER:H	20	0.38
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	5	0.38
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	9	0.38
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	5	0.38
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	6	0.38
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	12	0.38
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	19	0.38
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	5	0.38
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	11	0.38
(4,1448)	1:112:A:GLY:HA2	1:113:A:ALA:H	13	0.38
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	9	0.38
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	13	0.38
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	8	0.38
(4,1367)	1:108:A:GLY:H	1:107:A:PRO:HB2	18	0.38
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	5	0.38
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	10	0.38
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	15	0.38
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	16	0.38
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	17	0.38
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	18	0.38
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	20	0.38
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	5	0.38
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	5	0.38
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	5	0.38
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	11	0.38
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	7	0.38
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	12	0.38
(4,1309)	1:125:A:ILE:H	1:125:A:ILE:HB	12	0.38
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	6	0.38
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	7	0.38
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	8	0.38
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	9	0.38
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	1	0.38
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	7	0.38
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	9	0.38
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	10	0.38
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	12	0.38
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	17	0.38
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	20	0.38
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	17	0.38
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	18	0.38
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	6	0.38
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	6	0.38
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	6	0.38
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	6	0.38
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	6	0.38
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	6	0.38
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	5	0.38
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	7	0.38
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	15	0.38
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	17	0.38
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	17	0.38
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	17	0.38
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	2	0.38
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	11	0.38
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	5	0.38
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	10	0.38
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	12	0.38
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	19	0.38
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	20	0.38
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	11	0.38
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	13	0.38
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	5	0.38
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	5	0.38
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	5	0.38
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	12	0.38
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	12	0.38
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	12	0.38
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	9	0.38
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	9	0.38
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	9	0.38
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	11	0.38
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	2	0.38
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	1	0.38
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	12	0.38
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	6	0.38
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	8	0.38
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	19	0.38
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	1	0.38
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	7	0.38
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	9	0.38
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	4	0.38
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	3	0.38
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	3	0.38
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	3	0.38
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	4	0.38
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	8	0.38
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	10	0.38
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	15	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	3	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	3	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	3	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	6	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	6	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	6	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	13	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	13	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	13	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	15	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	15	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	15	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	18	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	18	0.38
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	18	0.38
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	15	0.38
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	15	0.38
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	15	0.38
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	15	0.38
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	15	0.38
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	15	0.38
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	4	0.38
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	9	0.38
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	12	0.38
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	15	0.38
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	18	0.38
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	2	0.38
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	8	0.38
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	15	0.38
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	20	0.38
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	6	0.38
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	11	0.38
(4,772)	1:31:A:GLN:H	1:30:A:LEU:H	12	0.38
(4,759)	1:159:A:ASN:HB3	1:159:A:ASN:HD21	9	0.38
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	19	0.38
(4,718)	1:44:A:GLN:HG2	1:45:A:SER:H	20	0.38
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	8	0.38
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	11	0.38
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	13	0.38
(4,696)	1:65:A:ILE:H	1:64:A:SER:HA	17	0.38
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	4	0.38
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	4	0.38
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	5	0.38
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	1	0.38
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	2	0.38
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	5	0.38
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	7	0.38
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	8	0.38
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	9	0.38
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	12	0.38
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	15	0.38
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	16	0.38
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	1	0.38
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	3	0.38
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	8	0.38
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	10	0.38
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	13	0.38
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	20	0.38
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	13	0.38
(4,595)	1:13:A:ASP:HB3	1:13:A:ASP:H	9	0.38
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	16	0.38
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	6	0.38
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	6	0.38
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	12	0.38
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	13	0.38
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	16	0.38
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	18	0.38
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	5	0.38
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	12	0.38
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	1	0.38
(4,365)	1:147:A:ASN:H	1:146:A:HIS:HB3	2	0.38
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	3	0.38
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	7	0.38
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	8	0.38
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	9	0.38
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	11	0.38
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	13	0.38
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	15	0.38
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	16	0.38
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	17	0.38
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	19	0.38
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	1	0.38
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	6	0.38
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	14	0.38
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	18	0.38
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	1	0.38
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	3	0.38
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	4	0.38
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	16	0.38
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	1	0.38
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	5	0.38
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	12	0.38
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	19	0.38
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	5	0.38
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	5	0.38
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	5	0.38
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	9	0.38
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	9	0.38
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	9	0.38
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	15	0.38
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	15	0.38
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	15	0.38
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	2	0.38
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	5	0.38
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	9	0.38
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	14	0.38
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	20	0.38
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	4	0.38
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	15	0.38
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	17	0.38
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	2	0.38
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	5	0.38
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	7	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	11	0.38
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	14	0.38
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	17	0.38
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	19	0.38
(4,210)	1:77:A:ARG:HG2	1:78:A:VAL:H	16	0.38
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	15	0.38
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	13	0.38
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	1	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	1	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	2	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	3	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	5	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	6	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	9	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	11	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	14	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	15	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	17	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	18	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	19	0.38
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	20	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	1	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	2	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	3	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	5	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	6	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	7	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	8	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	9	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	12	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	15	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	17	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	18	0.38
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	19	0.38
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	9	0.38
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	10	0.38
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	18	0.38
(4,109)	1:26:A:THR:H	1:27:A:ALA:H	4	0.38
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	2	0.38
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	4	0.38
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	17	0.38
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	6	0.38
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	10	0.38
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	18	0.38
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD11	11	0.38
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD12	11	0.38
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD13	11	0.38
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD11	11	0.38
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD12	11	0.38
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD13	11	0.38
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	13	0.38
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	17	0.38
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	19	0.38
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	20	0.38
(2,3080)	1:47:A:VAL:HG11	1:47:A:VAL:H	12	0.38
(2,3080)	1:47:A:VAL:HG12	1:47:A:VAL:H	12	0.38
(2,3080)	1:47:A:VAL:HG13	1:47:A:VAL:H	12	0.38
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	5	0.38
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	5	0.38
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	5	0.38
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	3	0.38
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	2	0.38
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	18	0.38
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	2	0.38
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	2	0.38
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	2	0.38
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	6	0.38
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	6	0.38
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	6	0.38
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	8	0.38
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	8	0.38
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	8	0.38
(2,2745)	1:51:A:LEU:HD21	1:51:A:LEU:H	11	0.38
(2,2745)	1:51:A:LEU:HD22	1:51:A:LEU:H	11	0.38
(2,2745)	1:51:A:LEU:HD23	1:51:A:LEU:H	11	0.38
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	1	0.38
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	6	0.38
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	18	0.38
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	12	0.38
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	12	0.38
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	12	0.38
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	10	0.38
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	19	0.38
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	15	0.38
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	16	0.38
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	3	0.38
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	2	0.38
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	3	0.38
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	10	0.38
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	14	0.38
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	18	0.38
(2,2391)	1:5:A:LEU:H	1:5:A:LEU:HG	8	0.38
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	3	0.38
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	5	0.38
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	8	0.38
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	12	0.38
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	17	0.38
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	18	0.38
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	20	0.38
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	4	0.38
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	12	0.38
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	18	0.38
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	7	0.38
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	15	0.38
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	11	0.38
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	4	0.38
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	6	0.38
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	19	0.38
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	20	0.38
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	5	0.38
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	15	0.38
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	17	0.38
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	8	0.38
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	3	0.38
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	8	0.38
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	16	0.38
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	19	0.38
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	5	0.38
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	5	0.38
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	5	0.38
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	16	0.38
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	16	0.38
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	16	0.38
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	17	0.38
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	17	0.38
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	19	0.38
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	19	0.38
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	19	0.38
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	2	0.38
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	2	0.38
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	2	0.38
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	1	0.38
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	4	0.38
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	8	0.38
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	13	0.38
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	15	0.38
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	16	0.38
(2,1781)	1:3:A:LYS:HB2	1:4:A:LEU:H	11	0.38
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	9	0.38
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	9	0.38
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	9	0.38
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	4	0.38
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	7	0.38
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	8	0.38
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	17	0.38
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	1	0.38
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	1	0.38
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	1	0.38
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	4	0.38
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	4	0.38
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	4	0.38
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	12	0.38
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	12	0.38
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	12	0.38
(2,1699)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	14	0.38
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	1	0.38
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	2	0.38
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	3	0.38
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	5	0.38
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	6	0.38
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	7	0.38
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	9	0.38
(2,1537)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	13	0.38
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	2	0.38
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	16	0.38
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	15	0.38
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	15	0.38
(2,1383)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	16	0.38
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	17	0.38
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	2	0.38
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	15	0.38
(2,1355)	1:79:A:MET:HG3	1:79:A:MET:HA	1	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	1	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	2	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	3	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	5	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	8	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	9	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	10	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	11	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	12	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	13	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	15	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	16	0.38
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	17	0.38
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	1	0.38
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	4	0.38
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	10	0.38
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	1	0.38
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	7	0.38
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	1	0.38
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	2	0.38
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	2	0.38
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	2	0.38
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	9	0.38
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	9	0.38
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	9	0.38
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	15	0.38
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	15	0.38
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	15	0.38
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD21	20	0.38
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD22	20	0.38
(2,1113)	1:74:A:LEU:HB3	1:74:A:LEU:HD23	20	0.38
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	19	0.38
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	6	0.38
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	8	0.38
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	16	0.38
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	11	0.38
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	6	0.38
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	7	0.38
(2,850)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	8	0.38
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	12	0.38
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	16	0.38
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	15	0.38
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	2	0.38
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	2	0.38
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	2	0.38
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	8	0.38
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	8	0.38
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	8	0.38
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	12	0.38
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	5	0.38
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	9	0.38
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	11	0.38
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	8	0.38
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	9	0.38
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	13	0.38
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	6	0.38
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	6	0.38
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	6	0.38
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	14	0.38
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	6	0.38
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	16	0.38
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	20	0.38
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	2	0.38
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	8	0.38
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	12	0.38
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	13	0.38
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	15	0.38
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	18	0.38
(1,20)	1:123:A:TYR:HE1	1:122:A:HIS:HB3	5	0.38
(1,20)	1:123:A:TYR:HE2	1:122:A:HIS:HB3	5	0.38
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	1	0.37
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	4	0.37
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	5	0.37
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	7	0.37
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	20	0.37
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	9	0.37
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	1	0.37
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	5	0.37
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	9	0.37
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	12	0.37
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	17	0.37
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	18	0.37
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	19	0.37
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	7	0.37
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	2	0.37
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	16	0.37
(4,1501)	1:133:A:SER:HB3	1:133:A:SER:H	13	0.37
(4,1500)	1:56:A:THR:H	1:57:A:ILE:H	10	0.37
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	6	0.37
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	6	0.37
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	6	0.37
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	10	0.37
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	10	0.37
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	10	0.37
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	18	0.37
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	18	0.37
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	18	0.37
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	1	0.37
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	6	0.37
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	8	0.37
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	13	0.37
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	14	0.37
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	15	0.37
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	16	0.37
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	20	0.37
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	2	0.37
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	2	0.37
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	2	0.37
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	7	0.37
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	14	0.37
(4,1367)	1:108:A:GLY:H	1:107:A:PRO:HB2	7	0.37
(4,1357)	1:61:A:ILE:HA	1:62:A:ALA:H	12	0.37
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	13	0.37
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	13	0.37
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	13	0.37
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	5	0.37
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	17	0.37
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	1	0.37
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	1	0.37
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	14	0.37
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	2	0.37
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	3	0.37
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	4	0.37
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	16	0.37
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	17	0.37
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	11	0.37
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	2	0.37
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	5	0.37
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	13	0.37
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	14	0.37
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	16	0.37
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	15	0.37
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	4	0.37
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	4	0.37
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	4	0.37
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	9	0.37
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	9	0.37
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	9	0.37
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	10	0.37
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	10	0.37
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	10	0.37
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	12	0.37
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	12	0.37
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	12	0.37
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	14	0.37
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	14	0.37
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	14	0.37
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	16	0.37
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	16	0.37
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	16	0.37
(4,1227)	1:111:A:PHE:HA	1:112:A:GLY:H	15	0.37
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	11	0.37
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	2	0.37
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	17	0.37
(4,1203)	1:162:A:ARG:HD3	1:163:A:VAL:H	6	0.37
(4,1183)	1:121:A:GLN:HG2	1:121:A:GLN:H	9	0.37
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	4	0.37
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	4	0.37
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	9	0.37
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	9	0.37
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	9	0.37
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	18	0.37
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	10	0.37
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	1	0.37
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	3	0.37
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	6	0.37
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	7	0.37
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	8	0.37
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	9	0.37
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	15	0.37
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	16	0.37
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	20	0.37
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	1	0.37
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	4	0.37
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	7	0.37
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	11	0.37
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	20	0.37
(4,1061)	1:43:A:GLY:H	1:44:A:GLN:H	11	0.37
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	6	0.37
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	6	0.37
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	6	0.37
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	10	0.37
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	10	0.37
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	10	0.37
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	10	0.37
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	13	0.37
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	18	0.37
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	10	0.37
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	3	0.37
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	5	0.37
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	10	0.37
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	14	0.37
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	1	0.37
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	10	0.37
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	12	0.37
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	15	0.37
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	9	0.37
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	19	0.37
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	20	0.37
(4,909)	1:9:A:VAL:HB	1:9:A:VAL:H	18	0.37
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	4	0.37
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	4	0.37
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	4	0.37
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	14	0.37
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	14	0.37
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	14	0.37
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	14	0.37
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	1	0.37
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	4	0.37
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	7	0.37
(4,815)	1:10:A:LYS:H	1:10:A:LYS:HB2	13	0.37
(4,814)	1:2:A:ARG:HB2	1:2:A:ARG:H	9	0.37
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	4	0.37
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	19	0.37
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	9	0.37
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	16	0.37
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	3	0.37
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	3	0.37
(4,679)	1:136:A:LYS:HD3	1:136:A:LYS:H	13	0.37
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	1	0.37
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	4	0.37
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	12	0.37
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	5	0.37
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	8	0.37
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	4	0.37
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	10	0.37
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	13	0.37
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	14	0.37
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	17	0.37
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	18	0.37
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	19	0.37
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	20	0.37
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	4	0.37
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	5	0.37
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	7	0.37
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	12	0.37
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	7	0.37
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	14	0.37
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	19	0.37
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	19	0.37
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	19	0.37
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	2	0.37
(4,505)	1:151:A:ILE:HG13	1:152:A:GLU:H	3	0.37
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	3	0.37
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	11	0.37
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	2	0.37
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	2	0.37
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	2	0.37
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	2	0.37
(4,402)	1:122:A:HIS:H	1:123:A:TYR:H	20	0.37
(4,389)	1:105:A:ARG:H	1:104:A:GLN:HA	12	0.37
(4,365)	1:147:A:ASN:H	1:146:A:HIS:HB3	9	0.37
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	16	0.37
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	4	0.37
(4,327)	1:16:A:ASN:H	1:15:A:LEU:H	5	0.37
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	4	0.37
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	4	0.37
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	4	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	2	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	3	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	4	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	7	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	8	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	9	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	10	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	11	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	12	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	13	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	15	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	16	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	19	0.37
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	20	0.37
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	20	0.37
(4,297)	1:104:A:GLN:HG2	1:104:A:GLN:HE21	12	0.37
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	7	0.37
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	9	0.37
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	13	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	4	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	4	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	8	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	8	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	8	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	10	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	10	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	10	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	16	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	16	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	16	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	20	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	20	0.37
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	20	0.37
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	14	0.37
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	4	0.37
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	7	0.37
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	9	0.37
(4,259)	1:6:A:THR:HA	1:7:A:TYR:H	12	0.37
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	6	0.37
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	16	0.37
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	20	0.37
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	3	0.37
(4,178)	1:70:A:LEU:H	1:69:A:THR:HB	11	0.37
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	4	0.37
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	7	0.37
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	8	0.37
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	10	0.37
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	12	0.37
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	13	0.37
(4,175)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	16	0.37
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	10	0.37
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	7	0.37
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	3	0.37
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	19	0.37
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	17	0.37
(4,70)	1:60:A:HIS:HB3	1:61:A:ILE:H	4	0.37
(4,70)	1:60:A:HIS:HB3	1:61:A:ILE:H	11	0.37
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	2	0.37
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	12	0.37
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	19	0.37
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	2	0.37
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	3	0.37
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	6	0.37
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	19	0.37
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	19	0.37
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	19	0.37
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	19	0.37
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	19	0.37
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	19	0.37
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	4	0.37
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	11	0.37
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	14	0.37
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	18	0.37
(2,3145)	1:140:A:LYS:HB3	1:141:A:GLY:H	15	0.37
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	7	0.37
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE1	17	0.37
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE2	17	0.37
(2,2999)	1:79:A:MET:HB2	1:79:A:MET:HE3	17	0.37
(2,2903)	1:120:A:LYS:HG2	1:120:A:LYS:HA	8	0.37
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	1	0.37
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	7	0.37
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	16	0.37
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	11	0.37
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	13	0.37
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	4	0.37
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	9	0.37
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	13	0.37
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	2	0.37
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	5	0.37
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	6	0.37
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	3	0.37
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	7	0.37
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	2	0.37
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	5	0.37
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	9	0.37
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	10	0.37
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	12	0.37
(2,2560)	1:88:A:LYS:HG3	1:88:A:LYS:HA	19	0.37
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	5	0.37
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	16	0.37
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	17	0.37
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	4	0.37
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	13	0.37
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	15	0.37
(2,2113)	1:92:A:GLN:HA	1:92:A:GLN:HG3	1	0.37
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	7	0.37
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	12	0.37
(2,2009)	1:151:A:ILE:HG12	1:151:A:ILE:HA	16	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	1	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	2	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	3	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	4	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	6	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	7	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	10	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	11	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	12	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	13	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	18	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	19	0.37
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	20	0.37
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	12	0.37
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	6	0.37
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	9	0.37
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	12	0.37
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	15	0.37
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	5	0.37
(2,1787)	1:54:A:PRO:HD3	1:54:A:PRO:HB2	9	0.37
(2,1774)	1:106:A:ASN:HB3	1:106:A:ASN:HD21	18	0.37
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	1	0.37
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	2	0.37
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	3	0.37
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	6	0.37
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	10	0.37
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	11	0.37
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	13	0.37
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	14	0.37
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	15	0.37
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	16	0.37
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	18	0.37
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	5	0.37
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	6	0.37
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	13	0.37
(2,1725)	1:15:A:LEU:HD21	1:15:A:LEU:HB2	11	0.37
(2,1725)	1:15:A:LEU:HD22	1:15:A:LEU:HB2	11	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1725)	1:15:A:LEU:HD23	1:15:A:LEU:HB2	11	0.37
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	8	0.37
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	8	0.37
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	8	0.37
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	7	0.37
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	8	0.37
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	15	0.37
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	7	0.37
(2,1514)	1:11:A:GLN:HG3	1:11:A:GLN:HE22	18	0.37
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	7	0.37
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	8	0.37
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	3	0.37
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	20	0.37
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	11	0.37
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	17	0.37
(2,1378)	1:10:A:LYS:HE2	1:10:A:LYS:HD3	9	0.37
(2,1360)	1:74:A:LEU:HG	1:74:A:LEU:HA	11	0.37
(2,1355)	1:79:A:MET:HG3	1:79:A:MET:HA	9	0.37
(2,1355)	1:79:A:MET:HG3	1:79:A:MET:HA	10	0.37
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	2	0.37
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	11	0.37
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	14	0.37
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	6	0.37
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	14	0.37
(2,1225)	1:131:A:PRO:HB3	1:131:A:PRO:HG2	18	0.37
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	10	0.37
(2,1191)	1:33:A:ASN:HB3	1:33:A:ASN:H	12	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	2	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	3	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	4	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	5	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	6	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	7	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	9	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	10	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	11	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	12	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	13	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	14	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	15	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	16	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	18	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	19	0.37
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	20	0.37
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	12	0.37
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	14	0.37
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	4	0.37
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	9	0.37
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	11	0.37
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	6	0.37
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	10	0.37
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	2	0.37
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	4	0.37
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	6	0.37
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	7	0.37
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	8	0.37
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	11	0.37
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	12	0.37
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	14	0.37
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	17	0.37
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	18	0.37
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	19	0.37
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	11	0.37
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	6	0.37
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	10	0.37
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	17	0.37
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	15	0.37
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	8	0.37
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	10	0.37
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	7	0.37
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	8	0.37
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	11	0.37
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	13	0.37
(2,580)	1:44:A:GLN:HB3	1:44:A:GLN:HG3	20	0.37
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	3	0.37
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	5	0.37
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	5	0.37
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	5	0.37
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	13	0.37
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	14	0.37
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	15	0.37
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	15	0.37
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	20	0.37
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	20	0.37
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	20	0.37
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	1	0.37
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	5	0.37
(2,108)	1:15:A:LEU:HD11	1:15:A:LEU:HB3	13	0.37
(2,108)	1:15:A:LEU:HD12	1:15:A:LEU:HB3	13	0.37
(2,108)	1:15:A:LEU:HD13	1:15:A:LEU:HB3	13	0.37
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	8	0.37
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	16	0.37
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	7	0.37
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	10	0.37
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	18	0.37
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	1	0.37
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	4	0.37
(2,4)	1:36:A:LEU:HA	1:37:A:GLN:H	7	0.37
(1,44)	1:118:A:LEU:HD11	1:123:A:TYR:HB3	20	0.37
(1,44)	1:118:A:LEU:HD12	1:123:A:TYR:HB3	20	0.37
(1,44)	1:118:A:LEU:HD13	1:123:A:TYR:HB3	20	0.37
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	14	0.37
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	14	0.37
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	14	0.37
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	11	0.37
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	11	0.37
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	11	0.37
(1,20)	1:123:A:TYR:HE1	1:122:A:HIS:HB3	3	0.37
(1,20)	1:123:A:TYR:HE2	1:122:A:HIS:HB3	3	0.37
(1,16)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	2	0.37
(1,16)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	2	0.37
(1,16)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	2	0.37
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	15	0.37
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	15	0.37
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	15	0.37
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	6	0.36
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	1	0.36
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	2	0.36
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	3	0.36
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	5	0.36
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	8	0.36
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	10	0.36
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	19	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	3	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	4	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	6	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	7	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	8	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	10	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	11	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	13	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	14	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	15	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	16	0.36
(4,1548)	1:98:A:PHE:H	1:98:A:PHE:HA	20	0.36
(4,1501)	1:133:A:SER:HB3	1:133:A:SER:H	18	0.36
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	5	0.36
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	5	0.36
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	5	0.36
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	14	0.36
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	14	0.36
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	14	0.36
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	15	0.36
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	15	0.36
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	15	0.36
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	19	0.36
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	19	0.36
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	19	0.36
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	2	0.36
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	4	0.36
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	7	0.36
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	10	0.36
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	12	0.36
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	19	0.36
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	16	0.36
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	17	0.36
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	20	0.36
(4,1406)	1:68:A:LYS:H	1:68:A:LYS:HD3	8	0.36
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	3	0.36
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	3	0.36
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	3	0.36
(4,1364)	1:130:A:ASN:HB3	1:130:A:ASN:H	17	0.36
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	12	0.36
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	9	0.36
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	18	0.36
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	10	0.36
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	11	0.36
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	18	0.36
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	8	0.36
(4,1245)	1:22:A:PHE:HB2	1:22:A:PHE:H	19	0.36
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	9	0.36
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	10	0.36
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	13	0.36
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	13	0.36
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	13	0.36
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	1	0.36
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	20	0.36
(4,1117)	1:145:A:MET:HE1	1:146:A:HIS:H	12	0.36
(4,1117)	1:145:A:MET:HE2	1:146:A:HIS:H	12	0.36
(4,1117)	1:145:A:MET:HE3	1:146:A:HIS:H	12	0.36
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	2	0.36
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	11	0.36
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	13	0.36
(4,1107)	1:83:A:PRO:HA	1:84:A:ILE:H	18	0.36
(4,1069)	1:117:A:SER:H	1:117:A:SER:HB2	19	0.36
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	13	0.36
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	13	0.36
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	13	0.36
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	19	0.36
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	2	0.36
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	1	0.36
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	13	0.36
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	17	0.36
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	18	0.36
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	19	0.36
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	20	0.36
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	11	0.36
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	7	0.36
(4,964)	1:136:A:LYS:HD2	1:137:A:ALA:H	12	0.36
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	8	0.36
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	17	0.36
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	19	0.36
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	1	0.36
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	18	0.36
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	19	0.36
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	9	0.36
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	13	0.36
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	16	0.36
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	17	0.36
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	2	0.36
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	8	0.36
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	12	0.36
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	1	0.36
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	1	0.36
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	1	0.36
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG21	10	0.36
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG22	10	0.36
(4,900)	1:24:A:ILE:H	1:24:A:ILE:HG23	10	0.36
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	20	0.36
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	2	0.36
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	16	0.36
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	14	0.36
(4,718)	1:44:A:GLN:HG2	1:45:A:SER:H	7	0.36
(4,718)	1:44:A:GLN:HG2	1:45:A:SER:H	13	0.36
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	7	0.36
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	7	0.36
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	1	0.36
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	2	0.36
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	3	0.36
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	4	0.36
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	6	0.36
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	7	0.36
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	13	0.36
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	15	0.36
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	16	0.36
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	17	0.36
(4,636)	1:116:A:LEU:HA	1:116:A:LEU:H	19	0.36
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	18	0.36
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	8	0.36
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	5	0.36
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	2	0.36
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	2	0.36
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	18	0.36
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	20	0.36
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	2	0.36
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	3	0.36
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	6	0.36
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	10	0.36
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	12	0.36
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	15	0.36
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	15	0.36
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	16	0.36
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	5	0.36
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	1	0.36
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	1	0.36
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	1	0.36
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	13	0.36
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	13	0.36
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	13	0.36
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	14	0.36
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	14	0.36
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	14	0.36
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	14	0.36
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	17	0.36
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	18	0.36
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	2	0.36
(4,419)	1:134:A:ILE:HG12	1:134:A:ILE:H	6	0.36
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	12	0.36
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	2	0.36
(4,365)	1:147:A:ASN:H	1:146:A:HIS:HB3	12	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	1	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	2	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	3	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	5	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	6	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	7	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	8	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	9	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	10	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	11	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	12	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	13	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	14	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	15	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	17	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	18	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	19	0.36
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	20	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,334)	1:144:A:ARG:HA	1:145:A:MET:H	3	0.36
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	9	0.36
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	9	0.36
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	9	0.36
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	3	0.36
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	3	0.36
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	3	0.36
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	9	0.36
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	9	0.36
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	9	0.36
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	5	0.36
(4,308)	1:65:A:ILE:HA	1:65:A:ILE:H	17	0.36
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	19	0.36
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	4	0.36
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	6	0.36
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	8	0.36
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	16	0.36
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	17	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	2	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	2	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	2	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	13	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	13	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	13	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	14	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	14	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	14	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	17	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	17	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	17	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	19	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	19	0.36
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	19	0.36
(4,263)	1:50:A:GLY:H	1:51:A:LEU:H	12	0.36
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	3	0.36
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	6	0.36
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	12	0.36
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	15	0.36
(4,249)	1:67:A:ALA:H	1:66:A:GLY:H	13	0.36
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	11	0.36
(4,210)	1:77:A:ARG:HG2	1:78:A:VAL:H	13	0.36
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	1	0.36
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	4	0.36
(4,94)	1:35:A:SER:HB2	1:36:A:LEU:H	15	0.36
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	20	0.36
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	1	0.36
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	4	0.36
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	8	0.36
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	11	0.36
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	14	0.36
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	15	0.36
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	17	0.36
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	18	0.36
(4,54)	1:129:A:ASN:HB2	1:129:A:ASN:H	8	0.36
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	1	0.36
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	7	0.36
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	9	0.36
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	12	0.36
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	14	0.36
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	15	0.36
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	18	0.36
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	5	0.36
(2,3192)	1:4:A:LEU:HB3	1:4:A:LEU:H	7	0.36
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	5	0.36
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	9	0.36
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	16	0.36
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE1	11	0.36
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE2	11	0.36
(2,3075)	1:82:A:TYR:H	1:145:A:MET:HE3	11	0.36
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	3	0.36
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	1	0.36
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	4	0.36
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	5	0.36
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	13	0.36
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	19	0.36
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	3	0.36
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	4	0.36
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	7	0.36
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	12	0.36
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	13	0.36
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	14	0.36
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	15	0.36
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	18	0.36
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	2	0.36
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	2	0.36
(2,2472)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	18	0.36
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	1	0.36
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	7	0.36
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	6	0.36
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	18	0.36
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	6	0.36
(2,2401)	1:49:A:PRO:HG3	1:49:A:PRO:HA	8	0.36
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	7	0.36
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	11	0.36
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	16	0.36
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	2	0.36
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	9	0.36
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	17	0.36
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	13	0.36
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	2	0.36
(2,2007)	1:111:A:PHE:HB3	1:112:A:GLY:H	19	0.36
(2,1962)	1:129:A:ASN:HB2	1:129:A:ASN:HD22	10	0.36
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	9	0.36
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	14	0.36
(2,1873)	1:30:A:LEU:HB3	1:30:A:LEU:HG	14	0.36
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	1	0.36
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	2	0.36
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	3	0.36
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	5	0.36
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	8	0.36
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	9	0.36
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	10	0.36
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	15	0.36
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	15	0.36
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	15	0.36
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	15	0.36
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	14	0.36
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	14	0.36
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	14	0.36
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	12	0.36
(2,1750)	1:97:A:GLU:HB3	1:97:A:GLU:HG3	20	0.36
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	8	0.36
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	15	0.36
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	2	0.36
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	2	0.36
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	9	0.36
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	9	0.36
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	9	0.36
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	8	0.36
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	9	0.36
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	10	0.36
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	20	0.36
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	4	0.36
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	8	0.36
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	4	0.36
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	12	0.36
(2,1447)	1:54:A:PRO:HD2	1:5:A:LEU:HA	8	0.36
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	6	0.36
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	4	0.36
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	5	0.36
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	6	0.36
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	7	0.36
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	8	0.36
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	9	0.36
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	10	0.36
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	16	0.36
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	19	0.36
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	11	0.36
(2,1184)	1:37:A:GLN:HG2	1:37:A:GLN:HG3	8	0.36
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	1	0.36
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	14	0.36
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	17	0.36
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	18	0.36
(2,1094)	1:151:A:ILE:HG13	1:152:A:GLU:H	17	0.36
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	3	0.36
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	15	0.36
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	17	0.36
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	9	0.36
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	9	0.36
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	9	0.36
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	10	0.36
(2,1029)	1:37:A:GLN:HG3	1:37:A:GLN:HB3	15	0.36
(2,1013)	1:140:A:LYS:HG3	1:140:A:LYS:HA	17	0.36
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	2	0.36
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	17	0.36
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	19	0.36
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	2	0.36
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	4	0.36
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	11	0.36
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	4	0.36
(2,719)	1:102:A:ASN:HA	1:117:A:SER:HB3	20	0.36
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	6	0.36
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	15	0.36
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	8	0.36
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	16	0.36
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	1	0.36
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	9	0.36
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	9	0.36
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	9	0.36
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	7	0.36
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	10	0.36
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	16	0.36
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	4	0.36
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	16	0.36
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	13	0.36
(2,356)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	16	0.36
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	15	0.36
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	1	0.36
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	6	0.36
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	17	0.36
(2,112)	1:31:A:GLN:HA	1:31:A:GLN:HB2	5	0.36
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	6	0.36
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	10	0.36
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	17	0.36
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	18	0.36
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	4	0.36
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	8	0.36
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	16	0.36
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	19	0.36
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	7	0.36
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	15	0.36
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	2	0.36
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	2	0.36
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	2	0.36
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	11	0.36
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	19	0.35
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	11	0.35
(4,1501)	1:133:A:SER:HB3	1:133:A:SER:H	7	0.35
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	1	0.35
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	1	0.35
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	1	0.35
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	2	0.35
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	2	0.35
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	2	0.35
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	4	0.35
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	4	0.35
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	4	0.35
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	12	0.35
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	12	0.35
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	12	0.35
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	11	0.35
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	17	0.35
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	3	0.35
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	5	0.35
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	13	0.35
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	6	0.35
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	14	0.35
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	13	0.35
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	13	0.35
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	13	0.35
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	19	0.35
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	19	0.35
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	19	0.35
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	6	0.35
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	10	0.35
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	6	0.35
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	18	0.35
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	8	0.35
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	15	0.35
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	14	0.35
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	20	0.35
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	5	0.35
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	7	0.35
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	3	0.35
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	3	0.35
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	3	0.35
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	6	0.35
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	8	0.35
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	15	0.35
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	7	0.35
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	19	0.35
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	19	0.35
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	19	0.35
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	8	0.35
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	8	0.35
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	8	0.35
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	19	0.35
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	19	0.35
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	19	0.35
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	6	0.35
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	9	0.35
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	12	0.35
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	13	0.35
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	18	0.35
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	20	0.35
(4,1010)	1:79:A:MET:H	1:79:A:MET:HG2	4	0.35
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	6	0.35
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	10	0.35
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	3	0.35
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	5	0.35
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	16	0.35
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	14	0.35
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	14	0.35
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	16	0.35
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	3	0.35
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	14	0.35
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	1	0.35
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	5	0.35
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	7	0.35
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	12	0.35
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	18	0.35
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	2	0.35
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	3	0.35
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	13	0.35
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	7	0.35
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	11	0.35
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	11	0.35
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	2	0.35
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	6	0.35
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	15	0.35
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	5	0.35
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	13	0.35
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	12	0.35
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	3	0.35
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	1	0.35
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	2	0.35
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	3	0.35
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	7	0.35
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	10	0.35
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	13	0.35
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	14	0.35
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	15	0.35
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	20	0.35
(4,718)	1:44:A:GLN:HG2	1:45:A:SER:H	11	0.35
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	9	0.35
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	9	0.35
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	3	0.35
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	8	0.35
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	17	0.35
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	16	0.35
(4,627)	1:112:A:GLY:HA2	1:112:A:GLY:H	11	0.35
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	5	0.35
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	5	0.35
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	5	0.35
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	10	0.35
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	19	0.35
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	4	0.35
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	4	0.35
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	4	0.35
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	14	0.35
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	15	0.35
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	20	0.35
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	13	0.35
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	14	0.35
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	17	0.35
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	18	0.35
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	1	0.35
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	7	0.35
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,464)	1:165:A:ILE:H	1:165:A:ILE:HB	1	0.35
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	9	0.35
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	9	0.35
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	9	0.35
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	19	0.35
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	19	0.35
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	19	0.35
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	1	0.35
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	3	0.35
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	9	0.35
(4,433)	1:162:A:ARG:HB3	1:162:A:ARG:H	17	0.35
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	6	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	1	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	1	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	1	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	2	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	2	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	2	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	9	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	9	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	9	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	12	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	12	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	12	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	17	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	17	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	17	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	20	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	20	0.35
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	20	0.35
(4,356)	1:103:A:ARG:HA	1:103:A:ARG:H	4	0.35
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	16	0.35
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	15	0.35
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	15	0.35
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	15	0.35
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	18	0.35
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	18	0.35
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	18	0.35
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	20	0.35
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	20	0.35
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	20	0.35
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	1	0.35
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	1	0.35
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	5	0.35
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	5	0.35
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	5	0.35
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	6	0.35
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	6	0.35
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	6	0.35
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	7	0.35
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	7	0.35
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	7	0.35
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	10	0.35
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	10	0.35
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	10	0.35
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	13	0.35
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	13	0.35
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	13	0.35
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	19	0.35
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	19	0.35
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	19	0.35
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	14	0.35
(4,302)	1:136:A:LYS:HG3	1:136:A:LYS:H	13	0.35
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	1	0.35
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	2	0.35
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	6	0.35
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	10	0.35
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	2	0.35
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	3	0.35
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	10	0.35
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	11	0.35
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	3	0.35
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	20	0.35
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	16	0.35
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	15	0.35
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	19	0.35
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	16	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	1	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	2	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	4	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	5	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	7	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	9	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	10	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	11	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	13	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	14	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	16	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	17	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	18	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	19	0.35
(4,255)	1:66:A:GLY:HA3	1:66:A:GLY:H	20	0.35
(4,225)	1:117:A:SER:HA	1:102:A:ASN:H	20	0.35
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	11	0.35
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	8	0.35
(4,193)	1:110:A:PRO:HG2	1:111:A:PHE:H	9	0.35
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	17	0.35
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	14	0.35
(4,150)	1:159:A:ASN:HA	1:159:A:ASN:H	16	0.35
(4,124)	1:60:A:HIS:H	1:60:A:HIS:HB2	11	0.35
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	2	0.35
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	14	0.35
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	12	0.35
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	9	0.35
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	10	0.35
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	5	0.35
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	9	0.35
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	16	0.35
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	19	0.35
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	10	0.35
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	20	0.35
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	1	0.35
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	8	0.35
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	12	0.35
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	15	0.35
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	16	0.35
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	17	0.35
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	14	0.35
(2,2885)	1:23:A:ARG:HD2	1:23:A:ARG:HB3	20	0.35
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	12	0.35
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	2	0.35
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	11	0.35
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	7	0.35
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	9	0.35
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	2	0.35
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	6	0.35
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	9	0.35
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	9	0.35
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	9	0.35
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	9	0.35
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	10	0.35
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	10	0.35
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	10	0.35
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	14	0.35
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	14	0.35
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	14	0.35
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	1	0.35
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	6	0.35
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	8	0.35
(2,2641)	1:52:A:PRO:HD2	1:52:A:PRO:HB2	16	0.35
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	18	0.35
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	20	0.35
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	6	0.35
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	17	0.35
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	14	0.35
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	14	0.35
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	1	0.35
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	6	0.35
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	8	0.35
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	10	0.35
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	13	0.35
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	15	0.35
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	8	0.35
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	6	0.35
(2,2234)	1:98:A:PHE:H	1:97:A:GLU:HG3	5	0.35
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	20	0.35
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	5	0.35
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	5	0.35
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	5	0.35
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	14	0.35
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	13	0.35
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	18	0.35
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	6	0.35
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	13	0.35
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	4	0.35
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	4	0.35
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	4	0.35
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	13	0.35
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	13	0.35
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	13	0.35
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	15	0.35
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	20	0.35
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	20	0.35
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	20	0.35
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	9	0.35
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	16	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	4	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	4	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	4	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	6	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	6	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	6	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	10	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	10	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	10	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	12	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	12	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	12	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	14	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	14	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	14	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	16	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	16	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	16	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	17	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	17	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	17	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	18	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	18	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	18	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	19	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	19	0.35
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	19	0.35
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	1	0.35
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	3	0.35
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	7	0.35
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	17	0.35
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	18	0.35
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	2	0.35
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	3	0.35
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	5	0.35
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	10	0.35
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	14	0.35
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	15	0.35
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	17	0.35
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	18	0.35
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	19	0.35
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	20	0.35
(2,1355)	1:79:A:MET:HG3	1:79:A:MET:HA	18	0.35
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	3	0.35
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	12	0.35
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	13	0.35
(2,1312)	1:140:A:LYS:HG3	1:140:A:LYS:HB3	18	0.35
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	18	0.35
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	19	0.35
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	2	0.35
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	12	0.35
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	20	0.35
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	13	0.35
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	13	0.35
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	13	0.35
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	4	0.35
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	9	0.35
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	12	0.35
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	16	0.35
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	2	0.35
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	2	0.35
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	2	0.35
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	12	0.35
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	12	0.35
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	12	0.35
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	3	0.35
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	5	0.35
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	2	0.35
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	5	0.35
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	6	0.35
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	10	0.35
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	12	0.35
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	14	0.35
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	16	0.35
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	17	0.35
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	18	0.35
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	5	0.35
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	20	0.35
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	9	0.35
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	18	0.35
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	16	0.35
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	1	0.35
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	2	0.35
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	5	0.35
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	10	0.35
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	12	0.35
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	20	0.35
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	6	0.35
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	4	0.35
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	8	0.35
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	12	0.35
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	14	0.35
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	16	0.35
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	11	0.35
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	19	0.35
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	11	0.35
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	19	0.35
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	10	0.35
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	10	0.35
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	10	0.35
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	4	0.35
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	8	0.35
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	19	0.35
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	5	0.35
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	19	0.35
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	18	0.35
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	12	0.35
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	11	0.35
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	1	0.35
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	2	0.35
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	3	0.35
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	5	0.35
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	7	0.35
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	9	0.35
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	12	0.35
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	13	0.35
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	14	0.35
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	15	0.35
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	1	0.35
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	14	0.35
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	19	0.35
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	16	0.35
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	4	0.35
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	4	0.35
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	4	0.35
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	6	0.35
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	6	0.35
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	6	0.35
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	16	0.34
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	12	0.34
(4,1501)	1:133:A:SER:HB3	1:133:A:SER:H	11	0.34
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	7	0.34
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	7	0.34
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	7	0.34
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	8	0.34
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	8	0.34
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	8	0.34
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	9	0.34
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	9	0.34
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	9	0.34
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	18	0.34
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	17	0.34
(4,1439)	1:122:A:HIS:H	1:121:A:GLN:H	11	0.34
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	3	0.34
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	5	0.34
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	10	0.34
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	11	0.34
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	19	0.34
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	3	0.34
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	12	0.34
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	12	0.34
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	12	0.34
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	16	0.34
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	19	0.34
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	13	0.34
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	4	0.34
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	17	0.34
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	4	0.34
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	2	0.34
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	3	0.34
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	7	0.34
(4,1264)	1:19:A:ALA:H	1:18:A:ILE:H	15	0.34
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	18	0.34
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	2	0.34
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	4	0.34
(4,1183)	1:121:A:GLN:HG2	1:121:A:GLN:H	14	0.34
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	5	0.34
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	9	0.34
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	11	0.34
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	3	0.34
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	14	0.34
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	8	0.34
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	10	0.34
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	18	0.34
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	4	0.34
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	4	0.34
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	4	0.34
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	17	0.34
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	17	0.34
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	17	0.34
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	14	0.34
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	14	0.34
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	14	0.34
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	1	0.34
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	3	0.34
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	4	0.34
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	8	0.34
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	10	0.34
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	15	0.34
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	16	0.34
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	17	0.34
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	7	0.34
(4,999)	1:68:A:LYS:H	1:68:A:LYS:HG2	14	0.34
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	11	0.34
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	4	0.34
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	3	0.34
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	4	0.34
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	17	0.34
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	17	0.34
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	6	0.34
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	10	0.34
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	11	0.34
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	13	0.34
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	14	0.34
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	19	0.34
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	18	0.34
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	5	0.34
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	6	0.34
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	6	0.34
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	8	0.34
(4,758)	1:150:A:VAL:H	1:149:A:ASP:HB2	16	0.34
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	5	0.34
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	18	0.34
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	4	0.34
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	6	0.34
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	8	0.34
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	9	0.34
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	12	0.34
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	17	0.34
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	18	0.34
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	19	0.34
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	15	0.34
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	6	0.34
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	6	0.34
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	17	0.34
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	17	0.34
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	16	0.34
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	19	0.34
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	19	0.34
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	3	0.34
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	3	0.34
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	3	0.34
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	17	0.34
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	17	0.34
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,603)	1:10:A:LYS:HD3	1:10:A:LYS:H	6	0.34
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	13	0.34
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	11	0.34
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	19	0.34
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	6	0.34
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	3	0.34
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	3	0.34
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	3	0.34
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	10	0.34
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	10	0.34
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	10	0.34
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	13	0.34
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	13	0.34
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	13	0.34
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	6	0.34
(4,523)	1:21:A:ASP:H	1:21:A:ASP:HB2	8	0.34
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	1	0.34
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	7	0.34
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	8	0.34
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	9	0.34
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	19	0.34
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	8	0.34
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	13	0.34
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	3	0.34
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	3	0.34
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	3	0.34
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	8	0.34
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	8	0.34
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	8	0.34
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	17	0.34
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	17	0.34
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	17	0.34
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	12	0.34
(4,424)	1:115:A:TRP:H	1:114:A:TYR:HA	11	0.34
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	7	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	3	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	3	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	3	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	4	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	4	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	4	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	5	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	5	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	6	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	6	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	6	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	7	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	7	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	7	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	8	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	8	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	8	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	10	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	10	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	10	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	11	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	11	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	11	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	14	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	14	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	14	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	15	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	15	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	15	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	16	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	16	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	16	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	18	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	18	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	18	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	19	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	19	0.34
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	19	0.34
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	19	0.34
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	16	0.34
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	16	0.34
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	16	0.34
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	19	0.34
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	19	0.34
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	19	0.34
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	8	0.34
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	8	0.34
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	12	0.34
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	12	0.34
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	12	0.34
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	15	0.34
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	15	0.34
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	15	0.34
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	16	0.34
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	16	0.34
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	16	0.34
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	18	0.34
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	18	0.34
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	18	0.34
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	20	0.34
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	20	0.34
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	20	0.34
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	12	0.34
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	14	0.34
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	18	0.34
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	6	0.34
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	17	0.34
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	5	0.34
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	9	0.34
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	4	0.34
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	2	0.34
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	7	0.34
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	20	0.34
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	14	0.34
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	9	0.34
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	10	0.34
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	18	0.34
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	20	0.34
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	18	0.34
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	19	0.34
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	7	0.34
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	9	0.34
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	10	0.34
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	7	0.34
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	13	0.34
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	16	0.34
(4,69)	1:31:A:GLN:HG3	1:31:A:GLN:H	20	0.34
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	13	0.34
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	8	0.34
(4,31)	1:117:A:SER:H	1:102:A:ASN:HB3	6	0.34
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	3	0.34
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	5	0.34
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	16	0.34
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	4	0.34
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	4	0.34
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	4	0.34
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	4	0.34
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	4	0.34
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	4	0.34
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	20	0.34
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	20	0.34
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	20	0.34
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	20	0.34
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	20	0.34
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	20	0.34
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	2	0.34
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	5	0.34
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	6	0.34
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	10	0.34
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	14	0.34
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	18	0.34
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	5	0.34
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	5	0.34
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	5	0.34
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	3	0.34
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	12	0.34
(2,2853)	1:26:A:THR:H	1:25:A:SER:HB2	20	0.34
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	2	0.34
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	20	0.34
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	9	0.34
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	19	0.34
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	12	0.34
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	14	0.34
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	20	0.34
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	20	0.34
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	20	0.34
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	4	0.34
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	6	0.34
(2,2541)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	11	0.34
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	12	0.34
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	5	0.34
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	18	0.34
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	20	0.34
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	2	0.34
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	2	0.34
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	2	0.34
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	4	0.34
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	5	0.34
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	7	0.34
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	8	0.34
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	10	0.34
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	12	0.34
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	15	0.34
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	16	0.34
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	17	0.34
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	6	0.34
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	2	0.34
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	3	0.34
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	4	0.34
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	5	0.34
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	7	0.34
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	9	0.34
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	12	0.34
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	14	0.34
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	17	0.34
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	18	0.34
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	2	0.34
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	3	0.34
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	5	0.34
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	10	0.34
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	14	0.34
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	15	0.34
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	17	0.34
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	18	0.34
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	19	0.34
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	20	0.34
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	3	0.34
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	5	0.34
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	7	0.34
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	8	0.34
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	15	0.34
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG21	11	0.34
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG22	11	0.34
(2,2277)	1:116:A:LEU:HA	1:125:A:ILE:HG23	11	0.34
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	17	0.34
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	3	0.34
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	10	0.34
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	13	0.34
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	4	0.34
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	10	0.34
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	5	0.34
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	9	0.34
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	10	0.34
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	13	0.34
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	15	0.34
(2,1937)	1:153:A:LEU:HG	1:153:A:LEU:HB2	16	0.34
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	7	0.34
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	16	0.34
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	18	0.34
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	20	0.34
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	10	0.34
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	10	0.34
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	10	0.34
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	12	0.34
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	12	0.34
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	12	0.34
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	18	0.34
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	18	0.34
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	18	0.34
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	7	0.34
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	14	0.34
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	17	0.34
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	17	0.34
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	17	0.34
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	16	0.34
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	13	0.34
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	13	0.34
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	13	0.34
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	1	0.34
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	10	0.34
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	3	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	1	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	1	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	3	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	3	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	3	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	5	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	5	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	5	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	7	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	7	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	7	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	11	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	11	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	11	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	13	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	13	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	13	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD11	20	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD12	20	0.34
(2,1678)	1:36:A:LEU:HA	1:36:A:LEU:HD13	20	0.34
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	2	0.34
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	4	0.34
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	5	0.34
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	13	0.34
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	17	0.34
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	6	0.34
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	6	0.34
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	6	0.34
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	8	0.34
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	8	0.34
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	8	0.34
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	11	0.34
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	11	0.34
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	11	0.34
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	1	0.34
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	12	0.34
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	18	0.34
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	9	0.34
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	3	0.34
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	6	0.34
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	11	0.34
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	19	0.34
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	1	0.34
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	3	0.34
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	7	0.34
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	8	0.34
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	10	0.34
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	11	0.34
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	18	0.34
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	8	0.34
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	9	0.34
(2,1399)	1:29:A:LEU:HB3	1:29:A:LEU:HA	16	0.34
(2,1355)	1:79:A:MET:HG3	1:79:A:MET:HA	8	0.34
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	1	0.34
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	2	0.34
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	8	0.34
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	10	0.34
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	11	0.34
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	14	0.34
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	20	0.34
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	3	0.34
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	3	0.34
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	3	0.34
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	10	0.34
(2,1096)	1:15:A:LEU:HD21	1:15:A:LEU:HA	6	0.34
(2,1096)	1:15:A:LEU:HD22	1:15:A:LEU:HA	6	0.34
(2,1096)	1:15:A:LEU:HD23	1:15:A:LEU:HA	6	0.34
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	2	0.34
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	5	0.34
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	18	0.34
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	6	0.34
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	18	0.34
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	1	0.34
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	3	0.34
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	4	0.34
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	7	0.34
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	8	0.34
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	11	0.34
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	13	0.34
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	15	0.34
(2,968)	1:10:A:LYS:HG2	1:10:A:LYS:HB2	20	0.34
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	14	0.34
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	18	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	1	0.34
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	17	0.34
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	9	0.34
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	3	0.34
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	4	0.34
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	6	0.34
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	7	0.34
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	8	0.34
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	11	0.34
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	13	0.34
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	18	0.34
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	18	0.34
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	1	0.34
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	2	0.34
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	3	0.34
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	5	0.34
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	6	0.34
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	7	0.34
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	9	0.34
(2,866)	1:3:A:LYS:HB3	1:3:A:LYS:HG2	13	0.34
(2,865)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	11	0.34
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	7	0.34
(2,613)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	16	0.34
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	9	0.34
(2,399)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	18	0.34
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	1	0.34
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	2	0.34
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	6	0.34
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	13	0.34
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	17	0.34
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	1	0.34
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	2	0.34
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	3	0.34
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	5	0.34
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	8	0.34
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	9	0.34
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	10	0.34
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	15	0.34
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	1	0.34
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	2	0.34
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	6	0.34
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	18	0.34
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	5	0.34
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	5	0.34
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	5	0.34
(4,1569)	1:166:A:ASN:H	1:165:A:ILE:HA	6	0.33
(4,1501)	1:133:A:SER:HB3	1:133:A:SER:H	10	0.33
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	20	0.33
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	20	0.33
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	20	0.33
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	2	0.33
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	3	0.33
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	6	0.33
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	8	0.33
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	9	0.33
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	13	0.33
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	14	0.33
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	16	0.33
(4,1472)	1:108:A:GLY:H	1:107:A:PRO:HG2	16	0.33
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	14	0.33
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG21	11	0.33
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG22	11	0.33
(4,1437)	1:6:A:THR:H	1:47:A:VAL:HG23	11	0.33
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	2	0.33
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	2	0.33
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	9	0.33
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	14	0.33
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	13	0.33
(4,1378)	1:118:A:LEU:HA	1:119:A:SER:H	7	0.33
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	11	0.33
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	17	0.33
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	19	0.33
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	5	0.33
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	5	0.33
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	5	0.33
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	9	0.33
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	9	0.33
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	9	0.33
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	11	0.33
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	18	0.33
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	11	0.33
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	18	0.33
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	14	0.33
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	14	0.33
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	8	0.33
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	19	0.33
(4,1248)	1:103:A:ARG:HD3	1:104:A:GLN:H	1	0.33
(4,1248)	1:103:A:ARG:HD3	1:104:A:GLN:H	2	0.33
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	12	0.33
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	5	0.33
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	16	0.33
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	7	0.33
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	7	0.33
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	7	0.33
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	11	0.33
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	11	0.33
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	11	0.33
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	19	0.33
(4,1203)	1:162:A:ARG:HD3	1:163:A:VAL:H	18	0.33
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	8	0.33
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	8	0.33
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	8	0.33
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	16	0.33
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	13	0.33
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	14	0.33
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	3	0.33
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	18	0.33
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	1	0.33
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	2	0.33
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	3	0.33
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	6	0.33
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	7	0.33
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	8	0.33
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	9	0.33
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	14	0.33
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	15	0.33
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	18	0.33
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	20	0.33
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	20	0.33
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	20	0.33
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	3	0.33
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	3	0.33
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	3	0.33
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	7	0.33
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	6	0.33
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	14	0.33
(4,991)	1:116:A:LEU:HG	1:116:A:LEU:H	18	0.33
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	11	0.33
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	8	0.33
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	3	0.33
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	5	0.33
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	16	0.33
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	13	0.33
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	4	0.33
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	4	0.33
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	4	0.33
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	2	0.33
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	2	0.33
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	2	0.33
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	2	0.33
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	2	0.33
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	2	0.33
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	4	0.33
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	18	0.33
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	5	0.33
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	7	0.33
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	20	0.33
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	7	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	1	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	3	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	4	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	6	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	7	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	8	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	9	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	10	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	11	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	12	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	15	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	16	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	18	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	19	0.33
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	20	0.33
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	9	0.33
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	10	0.33
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	17	0.33
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	18	0.33
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	19	0.33
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	1	0.33
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	6	0.33
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	8	0.33
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	9	0.33
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	13	0.33
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	14	0.33
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	15	0.33
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	16	0.33
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	20	0.33
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	5	0.33
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	11	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	1	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	2	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	3	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	4	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	5	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	6	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	7	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	8	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	9	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	10	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	11	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	12	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	14	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	16	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	17	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	18	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	19	0.33
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	20	0.33
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	7	0.33
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	18	0.33
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	11	0.33
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	9	0.33
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	14	0.33
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	17	0.33
(4,642)	1:120:A:LYS:HG2	1:120:A:LYS:H	11	0.33
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	8	0.33
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	8	0.33
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	13	0.33
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	13	0.33
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	13	0.33
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	15	0.33
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	3	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	2	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	2	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	2	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	12	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	12	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	12	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	14	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	14	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	14	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	16	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	16	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	16	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	20	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	20	0.33
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	20	0.33
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	1	0.33
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	3	0.33
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	4	0.33
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	7	0.33
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	16	0.33
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	4	0.33
(4,506)	1:26:A:THR:H	1:27:A:ALA:H	16	0.33
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	3	0.33
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	19	0.33
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	20	0.33
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	4	0.33
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	4	0.33
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	4	0.33
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	7	0.33
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	7	0.33
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	7	0.33
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	12	0.33
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	12	0.33
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	12	0.33
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	18	0.33
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	18	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	18	0.33
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	5	0.33
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB1	13	0.33
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB2	13	0.33
(4,388)	1:27:A:ALA:H	1:27:A:ALA:HB3	13	0.33
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	11	0.33
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	2	0.33
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	2	0.33
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	2	0.33
(4,310)	1:69:A:THR:HG21	1:69:A:THR:H	17	0.33
(4,310)	1:69:A:THR:HG22	1:69:A:THR:H	17	0.33
(4,310)	1:69:A:THR:HG23	1:69:A:THR:H	17	0.33
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	16	0.33
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	1	0.33
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	1	0.33
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	9	0.33
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	14	0.33
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	18	0.33
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	19	0.33
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	15	0.33
(4,283)	1:19:A:ALA:H	1:18:A:ILE:H	20	0.33
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD11	12	0.33
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD12	12	0.33
(4,281)	1:74:A:LEU:H	1:74:A:LEU:HD13	12	0.33
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	9	0.33
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	12	0.33
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	13	0.33
(4,246)	1:103:A:ARG:H	1:102:A:ASN:HB2	17	0.33
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	5	0.33
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	13	0.33
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	14	0.33
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	9	0.33
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	6	0.33
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	15	0.33
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	9	0.33
(4,124)	1:60:A:HIS:H	1:60:A:HIS:HB2	4	0.33
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	12	0.33
(4,86)	1:123:A:TYR:HB2	1:123:A:TYR:H	17	0.33
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	16	0.33
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	8	0.33
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	7	0.33
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	13	0.33
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	14	0.33
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	11	0.33
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD11	20	0.33
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD12	20	0.33
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD13	20	0.33
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD11	20	0.33
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD12	20	0.33
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD13	20	0.33
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	14	0.33
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	2	0.33
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	2	0.33
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	3	0.33
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	9	0.33
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	11	0.33
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	13	0.33
(2,3056)	1:79:A:MET:HE1	1:80:A:LYS:H	17	0.33
(2,3056)	1:79:A:MET:HE2	1:80:A:LYS:H	17	0.33
(2,3056)	1:79:A:MET:HE3	1:80:A:LYS:H	17	0.33
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	5	0.33
(2,3011)	1:121:A:GLN:HG3	1:121:A:GLN:HE22	9	0.33
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	8	0.33
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	18	0.33
(2,2873)	1:2:A:ARG:HA	1:2:A:ARG:HG3	12	0.33
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	8	0.33
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	11	0.33
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	5	0.33
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	2	0.33
(2,2733)	1:68:A:LYS:HA	1:68:A:LYS:HD2	14	0.33
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	8	0.33
(2,2658)	1:15:A:LEU:HD11	1:15:A:LEU:HB2	18	0.33
(2,2658)	1:15:A:LEU:HD12	1:15:A:LEU:HB2	18	0.33
(2,2658)	1:15:A:LEU:HD13	1:15:A:LEU:HB2	18	0.33
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	4	0.33
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	11	0.33
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	17	0.33
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	1	0.33
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	4	0.33
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	10	0.33
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	11	0.33
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	12	0.33
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	17	0.33
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	15	0.33
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	1	0.33
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	3	0.33
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	9	0.33
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	14	0.33
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	20	0.33
(2,2339)	1:46:A:ILE:HG13	1:47:A:VAL:H	9	0.33
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	19	0.33
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	8	0.33
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	9	0.33
(2,2284)	1:29:A:LEU:HB3	1:29:A:LEU:HA	16	0.33
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	9	0.33
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	12	0.33
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	13	0.33
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	16	0.33
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	19	0.33
(2,2282)	1:102:A:ASN:HD22	1:102:A:ASN:HB3	20	0.33
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	9	0.33
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	3	0.33
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	5	0.33
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	6	0.33
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	11	0.33
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	14	0.33
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	17	0.33
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	19	0.33
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	19	0.33
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	19	0.33
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	11	0.33
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	17	0.33
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	19	0.33
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	8	0.33
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	8	0.33
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	8	0.33
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	2	0.33
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	4	0.33
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	5	0.33
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	12	0.33
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	18	0.33
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	20	0.33
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	20	0.33
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	12	0.33
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	8	0.33
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	8	0.33
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	8	0.33
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	18	0.33
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	18	0.33
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	18	0.33
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	19	0.33
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	19	0.33
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	19	0.33
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	2	0.33
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	3	0.33
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	14	0.33
(2,1729)	1:2:A:ARG:HB3	1:2:A:ARG:HD3	15	0.33
(2,1699)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	9	0.33
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	1	0.33
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	7	0.33
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	8	0.33
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	9	0.33
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	10	0.33
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	11	0.33
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	14	0.33
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	16	0.33
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	20	0.33
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	11	0.33
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	12	0.33
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	15	0.33
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	16	0.33
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	18	0.33
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	19	0.33
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	1	0.33
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	1	0.33
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	1	0.33
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	3	0.33
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	3	0.33
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	3	0.33
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	7	0.33
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	7	0.33
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	7	0.33
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	10	0.33
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	10	0.33
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	14	0.33
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	14	0.33
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	14	0.33
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	15	0.33
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	15	0.33
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	15	0.33
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	18	0.33
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	18	0.33
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	18	0.33
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	1	0.33
(2,1494)	1:136:A:LYS:HD3	1:137:A:ALA:H	16	0.33
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	9	0.33
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	10	0.33
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	13	0.33
(2,1471)	1:76:A:ASN:HA	1:76:A:ASN:HB2	14	0.33
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	2	0.33
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	5	0.33
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	6	0.33
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	9	0.33
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	12	0.33
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	13	0.33
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	14	0.33
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	15	0.33
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	19	0.33
(2,1355)	1:79:A:MET:HG3	1:79:A:MET:HA	6	0.33
(2,1355)	1:79:A:MET:HG3	1:79:A:MET:HA	7	0.33
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	2	0.33
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	9	0.33
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	7	0.33
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	7	0.33
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	7	0.33
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	11	0.33
(2,1093)	1:68:A:LYS:HD3	1:68:A:LYS:HE2	7	0.33
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	14	0.33
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	4	0.33
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	4	0.33
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	4	0.33
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	16	0.33
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	2	0.33
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	3	0.33
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	5	0.33
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	8	0.33
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	9	0.33
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	12	0.33
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	15	0.33
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	16	0.33
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	19	0.33
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	20	0.33
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	14	0.33
(2,893)	1:83:A:PRO:HG3	1:83:A:PRO:HA	15	0.33
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	14	0.33
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	17	0.33
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	9	0.33
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	18	0.33
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	15	0.33
(2,613)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	10	0.33
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	7	0.33
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	15	0.33
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	5	0.33
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	6	0.33
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	6	0.33
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	6	0.33
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	3	0.33
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	9	0.33
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	12	0.33
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	15	0.33
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	14	0.33
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	14	0.33
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	14	0.33
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	6	0.33
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	13	0.33
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	14	0.33
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	15	0.33
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	7	0.33
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	11	0.33
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	11	0.33
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	5	0.33
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	13	0.33
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	19	0.33
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	13	0.33
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	18	0.33
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	9	0.33
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	9	0.33
(1,6)	1:126:A:HIS:HD2	1:142:A:CYS:HB2	6	0.33
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	19	0.33
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	19	0.33
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	19	0.33
(4,1567)	1:71:A:THR:H	1:62:A:ALA:H	19	0.32
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	9	0.32
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	14	0.32
(4,1501)	1:133:A:SER:HB3	1:133:A:SER:H	4	0.32
(4,1501)	1:133:A:SER:HB3	1:133:A:SER:H	15	0.32
(4,1492)	1:2:A:ARG:HB3	1:3:A:LYS:H	4	0.32
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	4	0.32
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	10	0.32
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	11	0.32
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	12	0.32
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	17	0.32
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	18	0.32
(4,1473)	1:152:A:GLU:H	1:151:A:ILE:H	17	0.32
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	6	0.32
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	11	0.32
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	8	0.32
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	11	0.32
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	4	0.32
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	8	0.32
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	12	0.32
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	15	0.32
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	2	0.32
(4,1422)	1:147:A:ASN:HB3	1:147:A:ASN:HD21	15	0.32
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	8	0.32
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	7	0.32
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	7	0.32
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	7	0.32
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	18	0.32
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	18	0.32
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	18	0.32
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	1	0.32
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	5	0.32
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	9	0.32
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	12	0.32
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	13	0.32
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	15	0.32
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	20	0.32
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	13	0.32
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	9	0.32
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	7	0.32
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	8	0.32
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	19	0.32
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	17	0.32
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	1	0.32
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	1	0.32
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	1	0.32
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	18	0.32
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	18	0.32
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	18	0.32
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	9	0.32
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	15	0.32
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	2	0.32
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	6	0.32
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	7	0.32
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	8	0.32
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	15	0.32
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	13	0.32
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	4	0.32
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	5	0.32
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	10	0.32
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	11	0.32
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	12	0.32
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	13	0.32
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	16	0.32
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	17	0.32
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	19	0.32
(4,1103)	1:73:A:SER:H	1:73:A:SER:HA	20	0.32
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	2	0.32
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	5	0.32
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	11	0.32
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	16	0.32
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	17	0.32
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	18	0.32
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	20	0.32
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	9	0.32
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	13	0.32
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	10	0.32
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	10	0.32
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	16	0.32
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	16	0.32
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	16	0.32
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	1	0.32
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	1	0.32
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	1	0.32
(4,1018)	1:84:A:ILE:HA	1:85:A:ALA:H	14	0.32
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	1	0.32
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	8	0.32
(4,953)	1:16:A:ASN:H	1:17:A:SER:H	9	0.32
(4,950)	1:49:A:PRO:HA	1:50:A:GLY:H	11	0.32
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	11	0.32
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	14	0.32
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	1	0.32
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	1	0.32
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	1	0.32
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	15	0.32
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	15	0.32
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	15	0.32
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	18	0.32
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	18	0.32
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	18	0.32
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	6	0.32
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	7	0.32
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	8	0.32
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	17	0.32
(4,865)	1:144:A:ARG:HD3	1:145:A:MET:H	20	0.32
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	2	0.32
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	13	0.32
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	14	0.32
(4,853)	1:163:A:VAL:HA	1:163:A:VAL:H	17	0.32
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	1	0.32
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	8	0.32
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	15	0.32
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	20	0.32
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	9	0.32
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	9	0.32
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	9	0.32
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	9	0.32
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	1	0.32
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	3	0.32
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	4	0.32
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	8	0.32
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	9	0.32
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	12	0.32
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	16	0.32
(4,793)	1:146:A:HIS:H	1:146:A:HIS:HB2	3	0.32
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	2	0.32
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	10	0.32
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	16	0.32
(4,743)	1:125:A:ILE:H	1:125:A:ILE:HA	20	0.32
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	13	0.32
(4,735)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	15	0.32
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	12	0.32
(4,669)	1:34:A:PRO:HD2	1:35:A:SER:H	11	0.32
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	2	0.32
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	2	0.32
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	2	0.32
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	19	0.32
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	19	0.32
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	19	0.32
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	20	0.32
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	20	0.32
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	20	0.32
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	2	0.32
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	4	0.32
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	6	0.32
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	7	0.32
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	8	0.32
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	13	0.32
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	2	0.32
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	8	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	1	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	2	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	3	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	4	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	6	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	7	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	9	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	11	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	12	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	16	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	19	0.32
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	20	0.32
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	11	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	5	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	5	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	5	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	8	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	8	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	8	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	9	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	9	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	9	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	11	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	11	0.32
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	11	0.32
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	8	0.32
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	13	0.32
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	3	0.32
(4,489)	1:33:A:ASN:H	1:33:A:ASN:HD21	15	0.32
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	2	0.32
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	5	0.32
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	6	0.32
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	9	0.32
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	10	0.32
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	13	0.32
(4,440)	1:35:A:SER:HB3	1:35:A:SER:H	3	0.32
(4,440)	1:35:A:SER:HB3	1:35:A:SER:H	6	0.32
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	10	0.32
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	14	0.32
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	15	0.32
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	16	0.32
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	11	0.32
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	16	0.32
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	18	0.32
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	20	0.32
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	4	0.32
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	4	0.32
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	4	0.32
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	5	0.32
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	5	0.32
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	14	0.32
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	14	0.32
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	14	0.32
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	17	0.32
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	17	0.32
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	15	0.32
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	19	0.32
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	6	0.32
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	16	0.32
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	4	0.32
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	8	0.32
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	14	0.32
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	17	0.32
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	19	0.32
(4,246)	1:103:A:ARG:H	1:102:A:ASN:HB2	18	0.32
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	2	0.32
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	11	0.32
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	4	0.32
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	10	0.32
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	16	0.32
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	17	0.32
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	15	0.32
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	8	0.32
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	2	0.32
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	4	0.32
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	12	0.32
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	13	0.32
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	16	0.32
(4,110)	1:121:A:GLN:HE22	1:121:A:GLN:H	17	0.32
(4,74)	1:111:A:PHE:H	1:111:A:PHE:HB2	16	0.32
(4,71)	1:31:A:GLN:HB3	1:32:A:ALA:H	15	0.32
(4,70)	1:60:A:HIS:HB3	1:61:A:ILE:H	5	0.32
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	1	0.32
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	6	0.32
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	11	0.32
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	15	0.32
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	17	0.32
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	6	0.32
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD11	10	0.32
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD12	10	0.32
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD13	10	0.32
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD11	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD12	10	0.32
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD13	10	0.32
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	1	0.32
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	3	0.32
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	4	0.32
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	15	0.32
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	20	0.32
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	9	0.32
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	7	0.32
(2,3011)	1:121:A:GLN:HG3	1:121:A:GLN:HE22	14	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	1	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	2	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	4	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	5	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	7	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	8	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	9	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	10	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	12	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	13	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	14	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	15	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	16	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	17	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	18	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	19	0.32
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	20	0.32
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	4	0.32
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	5	0.32
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	7	0.32
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	2	0.32
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	16	0.32
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	17	0.32
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	20	0.32
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	4	0.32
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	16	0.32
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	20	0.32
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	14	0.32
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	3	0.32
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	6	0.32
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	11	0.32
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	11	0.32
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	13	0.32
(2,2431)	1:92:A:GLN:HA	1:93:A:THR:H	19	0.32
(2,2396)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	19	0.32
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	2	0.32
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	11	0.32
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	4	0.32
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	12	0.32
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	18	0.32
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	19	0.32
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	4	0.32
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	7	0.32
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	11	0.32
(2,2129)	1:10:A:LYS:HG2	1:10:A:LYS:HE3	17	0.32
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	1	0.32
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	2	0.32
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	7	0.32
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	8	0.32
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	9	0.32
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	10	0.32
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	12	0.32
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	13	0.32
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	15	0.32
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	20	0.32
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	20	0.32
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	14	0.32
(2,1913)	1:29:A:LEU:HB3	1:29:A:LEU:H	13	0.32
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	11	0.32
(2,1853)	1:110:A:PRO:HA	1:110:A:PRO:HB2	4	0.32
(2,1844)	1:162:A:ARG:HA	1:162:A:ARG:HG3	13	0.32
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	11	0.32
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	6	0.32
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	3	0.32
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	3	0.32
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	3	0.32
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	7	0.32
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	7	0.32
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	7	0.32
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	12	0.32
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	12	0.32
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	12	0.32
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	16	0.32
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	16	0.32
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	4	0.32
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	11	0.32
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	12	0.32
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	18	0.32
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	19	0.32
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	17	0.32
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	17	0.32
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	4	0.32
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	5	0.32
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	12	0.32
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	15	0.32
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	17	0.32
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	19	0.32
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	3	0.32
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	6	0.32
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	12	0.32
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	16	0.32
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	20	0.32
(2,1623)	1:80:A:LYS:HB3	1:72:A:LEU:HB2	14	0.32
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	2	0.32
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	2	0.32
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	2	0.32
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	9	0.32
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	9	0.32
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	9	0.32
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	13	0.32
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	13	0.32
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	13	0.32
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	5	0.32
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	6	0.32
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	7	0.32
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	16	0.32
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	17	0.32
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	4	0.32
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	16	0.32
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	17	0.32
(2,1407)	1:106:A:ASN:HB2	1:106:A:ASN:HA	20	0.32
(2,1355)	1:79:A:MET:HG3	1:79:A:MET:HA	15	0.32
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	10	0.32
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	3	0.32
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	3	0.32
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	3	0.32
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	5	0.32
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	5	0.32
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	5	0.32
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	9	0.32
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	9	0.32
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	9	0.32
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	12	0.32
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	12	0.32
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	12	0.32
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	13	0.32
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	13	0.32
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	13	0.32
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	14	0.32
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	14	0.32
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	14	0.32
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	16	0.32
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	16	0.32
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	16	0.32
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	17	0.32
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	17	0.32
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	17	0.32
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	19	0.32
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	19	0.32
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	19	0.32
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	20	0.32
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	20	0.32
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	20	0.32
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	7	0.32
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	16	0.32
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	15	0.32
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	15	0.32
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	15	0.32
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	6	0.32
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	1	0.32
(2,1088)	1:44:A:GLN:HB3	1:44:A:GLN:HG2	19	0.32
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	16	0.32
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	16	0.32
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	16	0.32
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	6	0.32
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	8	0.32
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	16	0.32
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	1	0.32
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	3	0.32
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	7	0.32
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	10	0.32
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	11	0.32
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	19	0.32
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	20	0.32
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	9	0.32
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	1	0.32
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	6	0.32
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	10	0.32
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	13	0.32
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	16	0.32
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	17	0.32
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	20	0.32
(2,928)	1:136:A:LYS:HG2	1:136:A:LYS:HA	13	0.32
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	13	0.32
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	1	0.32
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	2	0.32
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	4	0.32
(2,872)	1:102:A:ASN:HD22	1:102:A:ASN:HB2	10	0.32
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD21	15	0.32
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD22	15	0.32
(2,867)	1:36:A:LEU:HB3	1:36:A:LEU:HD23	15	0.32
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	4	0.32
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	14	0.32
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	19	0.32
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	8	0.32
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	20	0.32
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	4	0.32
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	6	0.32
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	10	0.32
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	12	0.32
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	3	0.32
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	5	0.32
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	10	0.32
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	11	0.32
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	12	0.32
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	15	0.32
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	17	0.32
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	17	0.32
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	17	0.32
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	13	0.32
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	18	0.32
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	7	0.32
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	10	0.32
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	11	0.32
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	10	0.32
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	15	0.32
(2,311)	1:3:A:LYS:HB2	1:3:A:LYS:HG2	19	0.32
(2,299)	1:72:A:LEU:HD11	1:73:A:SER:H	3	0.32
(2,299)	1:72:A:LEU:HD12	1:73:A:SER:H	3	0.32
(2,299)	1:72:A:LEU:HD13	1:73:A:SER:H	3	0.32
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	7	0.32
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	16	0.32
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	18	0.32
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	20	0.32
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	8	0.32
(2,154)	1:103:A:ARG:HD2	1:103:A:ARG:HA	18	0.32
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	2	0.32
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	19	0.32
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	3	0.32
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	11	0.32
(2,39)	1:140:A:LYS:HG2	1:140:A:LYS:HA	12	0.32
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	7	0.32
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	11	0.32
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	13	0.32
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	5	0.32
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	5	0.32
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	5	0.32
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	16	0.31
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	16	0.31
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	16	0.31
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	5	0.31
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	7	0.31
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	19	0.31
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	20	0.31
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	19	0.31
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	14	0.31
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	19	0.31
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	6	0.31
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	18	0.31
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	9	0.31
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	20	0.31
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	2	0.31
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	2	0.31
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	2	0.31
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	3	0.31
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	3	0.31
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	3	0.31
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	4	0.31
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	4	0.31
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	4	0.31
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	14	0.31
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	14	0.31
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	14	0.31
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	15	0.31
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	15	0.31
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	15	0.31
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	2	0.31
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	3	0.31
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	4	0.31
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	6	0.31
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	7	0.31
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	8	0.31
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	14	0.31
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	16	0.31
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	19	0.31
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	18	0.31
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	2	0.31
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	8	0.31
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	2	0.31
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	8	0.31
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	2	0.31
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	5	0.31
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	6	0.31
(4,1248)	1:103:A:ARG:HD3	1:104:A:GLN:H	6	0.31
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	11	0.31
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	12	0.31
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	14	0.31
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1227)	1:111:A:PHE:HA	1:112:A:GLY:H	3	0.31
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	8	0.31
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	13	0.31
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	13	0.31
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	13	0.31
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	12	0.31
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	8	0.31
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	17	0.31
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	19	0.31
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	20	0.31
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	3	0.31
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	10	0.31
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	18	0.31
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	19	0.31
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	11	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	1	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	3	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	4	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	6	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	7	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	8	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	9	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	10	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	12	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	13	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	14	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	15	0.31
(4,1100)	1:117:A:SER:HA	1:117:A:SER:H	19	0.31
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	9	0.31
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	18	0.31
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	13	0.31
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	13	0.31
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	13	0.31
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	7	0.31
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	7	0.31
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	7	0.31
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	16	0.31
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	16	0.31
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	16	0.31
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	2	0.31
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	11	0.31
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	15	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	1	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	2	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	3	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	4	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	5	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	6	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	7	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	8	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	9	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	10	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	11	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	12	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	13	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	14	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	16	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	17	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	18	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	19	0.31
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	20	0.31
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	2	0.31
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	6	0.31
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	4	0.31
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	1	0.31
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	3	0.31
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	16	0.31
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	7	0.31
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	7	0.31
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	7	0.31
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	9	0.31
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	9	0.31
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	9	0.31
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	7	0.31
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	9	0.31
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	2	0.31
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	7	0.31
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	18	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	1	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	2	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	3	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	4	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	6	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	7	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	9	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	11	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	12	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	13	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	16	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	19	0.31
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	20	0.31
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	1	0.31
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	14	0.31
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	1	0.31
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	10	0.31
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	16	0.31
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	5	0.31
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	6	0.31
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	7	0.31
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	11	0.31
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	13	0.31
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	14	0.31
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	15	0.31
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	1	0.31
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	4	0.31
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	7	0.31
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	11	0.31
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	12	0.31
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	19	0.31
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	17	0.31
(4,722)	1:4:A:LEU:HB3	1:5:A:LEU:H	7	0.31
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	18	0.31
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	2	0.31
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	19	0.31
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	19	0.31
(4,674)	1:16:A:ASN:H	1:17:A:SER:H	9	0.31
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	20	0.31
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	17	0.31
(4,642)	1:120:A:LYS:HG2	1:120:A:LYS:H	18	0.31
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	17	0.31
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	17	0.31
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	17	0.31
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	12	0.31
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	12	0.31
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	1	0.31
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	4	0.31
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	6	0.31
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	12	0.31
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	15	0.31
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	20	0.31
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	1	0.31
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	15	0.31
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	18	0.31
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	1	0.31
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	4	0.31
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	7	0.31
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	11	0.31
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	12	0.31
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	17	0.31
(4,571)	1:116:A:LEU:HD21	1:103:A:ARG:H	6	0.31
(4,571)	1:116:A:LEU:HD22	1:103:A:ARG:H	6	0.31
(4,571)	1:116:A:LEU:HD23	1:103:A:ARG:H	6	0.31
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	5	0.31
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	8	0.31
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	10	0.31
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	14	0.31
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	15	0.31
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	17	0.31
(4,539)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	18	0.31
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	3	0.31
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	19	0.31
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	6	0.31
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	6	0.31
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	6	0.31
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	18	0.31
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	18	0.31
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	18	0.31
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	5	0.31
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	9	0.31
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	11	0.31
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	19	0.31
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	11	0.31
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	13	0.31
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	9	0.31
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	4	0.31
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	10	0.31
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	10	0.31
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	10	0.31
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	16	0.31
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	16	0.31
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	16	0.31
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	11	0.31
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	6	0.31
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	8	0.31
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	9	0.31
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	17	0.31
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	18	0.31
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	20	0.31
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	6	0.31
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	15	0.31
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	17	0.31
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	20	0.31
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	12	0.31
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	12	0.31
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	12	0.31
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	17	0.31
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	17	0.31
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	17	0.31
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	2	0.31
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	3	0.31
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	5	0.31
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	13	0.31
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	15	0.31
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	16	0.31
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	7	0.31
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	13	0.31
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	18	0.31
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	1	0.31
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	2	0.31
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	3	0.31
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	6	0.31
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	7	0.31
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	9	0.31
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	10	0.31
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	12	0.31
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	15	0.31
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	7	0.31
(4,256)	1:103:A:ARG:HB3	1:104:A:GLN:H	15	0.31
(4,246)	1:103:A:ARG:H	1:102:A:ASN:HB2	6	0.31
(4,246)	1:103:A:ARG:H	1:102:A:ASN:HB2	14	0.31
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	9	0.31
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	15	0.31
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	18	0.31
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	2	0.31
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	3	0.31
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	8	0.31
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	17	0.31
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	19	0.31
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	6	0.31
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	20	0.31
(4,85)	1:159:A:ASN:HD22	1:159:A:ASN:H	8	0.31
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	4	0.31
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	5	0.31
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	12	0.31
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	16	0.31
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	19	0.31
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	3	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	2	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	5	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	6	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	7	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	8	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	9	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	10	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	11	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	12	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	13	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	14	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	16	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	17	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	18	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	19	0.31
(3,67)	1:115:A:TRP:HH2	1:115:A:TRP:HZ2	20	0.31
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	3	0.31
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	3	0.31
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	3	0.31
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	3	0.31
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	3	0.31
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	16	0.31
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	16	0.31
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	16	0.31
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	16	0.31
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	16	0.31
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	16	0.31
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	2	0.31
(2,2981)	1:54:A:PRO:HD2	1:5:A:LEU:HA	8	0.31
(2,2957)	1:79:A:MET:HG2	1:80:A:LYS:H	11	0.31
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	3	0.31
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	6	0.31
(2,2946)	1:61:A:ILE:HB	1:61:A:ILE:HG12	11	0.31
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	18	0.31
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	19	0.31
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	10	0.31
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	1	0.31
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	19	0.31
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	17	0.31
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	14	0.31
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	15	0.31
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	11	0.31
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	3	0.31
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	12	0.31
(2,2710)	1:130:A:ASN:HB3	1:130:A:ASN:HD22	15	0.31
(2,2704)	1:10:A:LYS:HE2	1:10:A:LYS:HB2	11	0.31
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG21	10	0.31
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG22	10	0.31
(2,2677)	1:26:A:THR:HB	1:24:A:ILE:HG23	10	0.31
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	9	0.31
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	14	0.31
(2,2441)	1:16:A:ASN:HB2	1:17:A:SER:H	1	0.31
(2,2335)	1:52:A:PRO:HD2	1:52:A:PRO:HB3	20	0.31
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	1	0.31
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	2	0.31
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	3	0.31
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	5	0.31
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	7	0.31
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	9	0.31
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	10	0.31
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	14	0.31
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	15	0.31
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	17	0.31
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	12	0.31
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	20	0.31
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	4	0.31
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	6	0.31
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	1	0.31
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	18	0.31
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	4	0.31
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	16	0.31
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	15	0.31
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	11	0.31
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	11	0.31
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	11	0.31
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	10	0.31
(2,1812)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	2	0.31
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	3	0.31
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	1	0.31
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	1	0.31
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	1	0.31
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	5	0.31
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	5	0.31
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	5	0.31
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	6	0.31
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	6	0.31
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	6	0.31
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	7	0.31
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	17	0.31
(2,1743)	1:55:A:TYR:HB3	1:55:A:TYR:H	20	0.31
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	1	0.31
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	10	0.31
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	12	0.31
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	13	0.31
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	14	0.31
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	20	0.31
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	3	0.31
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	6	0.31
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	18	0.31
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	14	0.31
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	1	0.31
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	4	0.31
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	5	0.31
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	9	0.31
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	10	0.31
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	14	0.31
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	17	0.31
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	18	0.31
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	19	0.31
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	5	0.31
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	5	0.31
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	5	0.31
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	12	0.31
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	12	0.31
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	12	0.31
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	2	0.31
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	9	0.31
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	3	0.31
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	6	0.31
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	9	0.31
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	12	0.31
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	10	0.31
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	11	0.31
(2,1446)	1:72:A:LEU:HB3	1:72:A:LEU:HG	3	0.31
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	19	0.31
(2,1355)	1:79:A:MET:HG3	1:79:A:MET:HA	2	0.31
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	9	0.31
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	19	0.31
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	3	0.31
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	5	0.31
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	7	0.31
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	13	0.31
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	1	0.31
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	1	0.31
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	1	0.31
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	2	0.31
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	2	0.31
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	2	0.31
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	6	0.31
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	6	0.31
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	6	0.31
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	7	0.31
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	7	0.31
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	8	0.31
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	8	0.31
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	8	0.31
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	10	0.31
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	10	0.31
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	10	0.31
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	16	0.31
(2,1198)	1:80:A:LYS:HB2	1:80:A:LYS:HD3	20	0.31
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	2	0.31
(2,1156)	1:31:A:GLN:HA	1:31:A:GLN:HG2	13	0.31
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	2	0.31
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	2	0.31
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	2	0.31
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	6	0.31
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	6	0.31
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	6	0.31
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	15	0.31
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	10	0.31
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	10	0.31
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	10	0.31
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	14	0.31
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	14	0.31
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	14	0.31
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	1	0.31
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	2	0.31
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	4	0.31
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	5	0.31
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	7	0.31
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	9	0.31
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	10	0.31
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	13	0.31
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	15	0.31
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	17	0.31
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	18	0.31
(2,1013)	1:140:A:LYS:HG3	1:140:A:LYS:HA	1	0.31
(2,1013)	1:140:A:LYS:HG3	1:140:A:LYS:HA	15	0.31
(2,1013)	1:140:A:LYS:HG3	1:140:A:LYS:HA	20	0.31
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	2	0.31
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	8	0.31
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	12	0.31
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	14	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	15	0.31
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	7	0.31
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	15	0.31
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	18	0.31
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	20	0.31
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	4	0.31
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	11	0.31
(2,951)	1:110:A:PRO:HG2	1:110:A:PRO:HA	19	0.31
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	7	0.31
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	12	0.31
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	15	0.31
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	2	0.31
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	6	0.31
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	11	0.31
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	17	0.31
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	10	0.31
(2,798)	1:3:A:LYS:HB3	1:3:A:LYS:HG3	15	0.31
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	1	0.31
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	2	0.31
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	3	0.31
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	5	0.31
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	9	0.31
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	16	0.31
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	17	0.31
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	18	0.31
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	19	0.31
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	1	0.31
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	8	0.31
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	13	0.31
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	14	0.31
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	1	0.31
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	19	0.31
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	19	0.31
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	19	0.31
(2,413)	1:140:A:LYS:HG2	1:140:A:LYS:HA	12	0.31
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	3	0.31
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	14	0.31
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	20	0.31
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	11	0.31
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	17	0.31
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	19	0.31
(2,190)	1:99:A:TYR:HB2	1:100:A:ILE:H	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	4	0.31
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	15	0.31
(2,83)	1:52:A:PRO:HG2	1:52:A:PRO:HA	20	0.31
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	1	0.31
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	5	0.31
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	9	0.31
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	19	0.31
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	20	0.31
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	13	0.31
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	15	0.31
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	15	0.31
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	15	0.31
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	12	0.31
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	12	0.31
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	12	0.31
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	6	0.31
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	6	0.31
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	6	0.31
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	6	0.31
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	6	0.31
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	6	0.31
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	9	0.31
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	9	0.31
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	9	0.31
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	3	0.3
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	4	0.3
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	5	0.3
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	9	0.3
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	17	0.3
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	9	0.3
(4,1537)	1:120:A:LYS:HD3	1:120:A:LYS:H	9	0.3
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	3	0.3
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	4	0.3
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	12	0.3
(4,1501)	1:133:A:SER:HB3	1:133:A:SER:H	2	0.3
(4,1495)	1:90:A:LEU:HD11	1:90:A:LEU:H	11	0.3
(4,1495)	1:90:A:LEU:HD12	1:90:A:LEU:H	11	0.3
(4,1495)	1:90:A:LEU:HD13	1:90:A:LEU:H	11	0.3
(4,1479)	1:46:A:ILE:HA	1:47:A:VAL:H	15	0.3
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	11	0.3
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	8	0.3
(4,1429)	1:46:A:ILE:H	1:46:A:ILE:HG13	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1424)	1:98:A:PHE:H	1:97:A:GLU:HG2	9	0.3
(4,1424)	1:98:A:PHE:H	1:97:A:GLU:HG2	17	0.3
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	2	0.3
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	12	0.3
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	5	0.3
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	12	0.3
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	13	0.3
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	11	0.3
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	11	0.3
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	11	0.3
(4,1367)	1:108:A:GLY:H	1:107:A:PRO:HB2	13	0.3
(4,1355)	1:99:A:TYR:HA	1:99:A:TYR:H	10	0.3
(4,1345)	1:129:A:ASN:HB3	1:129:A:ASN:HD21	20	0.3
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	14	0.3
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	16	0.3
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	16	0.3
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	9	0.3
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	19	0.3
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	20	0.3
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	9	0.3
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	11	0.3
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	13	0.3
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	14	0.3
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	18	0.3
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	3	0.3
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	4	0.3
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	18	0.3
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	1	0.3
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	1	0.3
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	1	0.3
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	5	0.3
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	5	0.3
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	5	0.3
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	20	0.3
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	20	0.3
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	20	0.3
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	10	0.3
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	19	0.3
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	5	0.3
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	11	0.3
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	14	0.3
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	14	0.3
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	17	0.3
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	18	0.3
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	11	0.3
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	13	0.3
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	17	0.3
(4,1104)	1:49:A:PRO:HG3	1:50:A:GLY:H	12	0.3
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	1	0.3
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	3	0.3
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	20	0.3
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	18	0.3
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	18	0.3
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	18	0.3
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	4	0.3
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	15	0.3
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	4	0.3
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	8	0.3
(4,983)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	15	0.3
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	9	0.3
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	17	0.3
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	19	0.3
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	20	0.3
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	5	0.3
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	18	0.3
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	11	0.3
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	11	0.3
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	11	0.3
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	11	0.3
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	11	0.3
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	11	0.3
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	2	0.3
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	12	0.3
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	18	0.3
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	1	0.3
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	12	0.3
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	3	0.3
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	4	0.3
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	10	0.3
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	11	0.3
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	13	0.3
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	16	0.3
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	20	0.3
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	8	0.3
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	10	0.3
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	14	0.3
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	15	0.3
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	17	0.3
(4,825)	1:121:A:GLN:HE21	1:121:A:GLN:HE22	18	0.3
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	7	0.3
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	2	0.3
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	12	0.3
(4,794)	1:134:A:ILE:H	1:134:A:ILE:HA	20	0.3
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	4	0.3
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	14	0.3
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	7	0.3
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	14	0.3
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	15	0.3
(4,645)	1:73:A:SER:H	1:72:A:LEU:HA	3	0.3
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	14	0.3
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	14	0.3
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	14	0.3
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	16	0.3
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	16	0.3
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	16	0.3
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	20	0.3
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	3	0.3
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	7	0.3
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	11	0.3
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	11	0.3
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	16	0.3
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	20	0.3
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	7	0.3
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	7	0.3
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	7	0.3
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	15	0.3
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	15	0.3
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	15	0.3
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	17	0.3
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	20	0.3
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	1	0.3
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	8	0.3
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	10	0.3
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	13	0.3
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	20	0.3
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	11	0.3
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	11	0.3
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	5	0.3
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	5	0.3
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	5	0.3
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	6	0.3
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	6	0.3
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	6	0.3
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	15	0.3
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	15	0.3
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	15	0.3
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	20	0.3
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	20	0.3
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	20	0.3
(4,440)	1:35:A:SER:HB3	1:35:A:SER:H	4	0.3
(4,440)	1:35:A:SER:HB3	1:35:A:SER:H	11	0.3
(4,440)	1:35:A:SER:HB3	1:35:A:SER:H	17	0.3
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	13	0.3
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	3	0.3
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	19	0.3
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	17	0.3
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	3	0.3
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	3	0.3
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	3	0.3
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	13	0.3
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	13	0.3
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	13	0.3
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	1	0.3
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	3	0.3
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	4	0.3
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	10	0.3
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	14	0.3
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	17	0.3
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	19	0.3
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	4	0.3
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	16	0.3
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	20	0.3
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	7	0.3
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	15	0.3
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	11	0.3
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	19	0.3
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	17	0.3
(4,301)	1:148:A:LYS:H	1:147:A:ASN:HB2	19	0.3
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	4	0.3
(4,272)	1:124:A:GLY:HA2	1:124:A:GLY:H	18	0.3
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	1	0.3
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	8	0.3
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	12	0.3
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	9	0.3
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	4	0.3
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	9	0.3
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	7	0.3
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	3	0.3
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	8	0.3
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	10	0.3
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	19	0.3
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	3	0.3
(4,71)	1:31:A:GLN:HB3	1:32:A:ALA:H	8	0.3
(4,70)	1:60:A:HIS:HB3	1:61:A:ILE:H	6	0.3
(4,70)	1:60:A:HIS:HB3	1:61:A:ILE:H	18	0.3
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	8	0.3
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	11	0.3
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	20	0.3
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	3	0.3
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	15	0.3
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	7	0.3
(2,3175)	1:11:A:GLN:HA	1:11:A:GLN:HB3	7	0.3
(2,3097)	1:77:A:ARG:HB3	1:78:A:VAL:H	4	0.3
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	19	0.3
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	9	0.3
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	9	0.3
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	9	0.3
(2,3037)	1:136:A:LYS:HD3	1:136:A:LYS:HB3	10	0.3
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	11	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	2	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	3	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	4	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	5	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	6	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	7	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	9	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	11	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	13	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	14	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	15	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	16	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	17	0.3
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	20	0.3
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	20	0.3
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	11	0.3
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	15	0.3
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	17	0.3
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	6	0.3
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	12	0.3
(2,2636)	1:70:A:LEU:HD21	1:70:A:LEU:HA	11	0.3
(2,2636)	1:70:A:LEU:HD22	1:70:A:LEU:HA	11	0.3
(2,2636)	1:70:A:LEU:HD23	1:70:A:LEU:HA	11	0.3
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	17	0.3
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	17	0.3
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	17	0.3
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	1	0.3
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	6	0.3
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	6	0.3
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	8	0.3
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	11	0.3
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	16	0.3
(2,2226)	1:24:A:ILE:HA	1:24:A:ILE:HG13	20	0.3
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	1	0.3
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	19	0.3
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	19	0.3
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	2	0.3
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	14	0.3
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	8	0.3
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	1	0.3
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	1	0.3
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	3	0.3
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	8	0.3
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	16	0.3
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	14	0.3
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	14	0.3
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	14	0.3
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	9	0.3
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	15	0.3
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	16	0.3
(2,1720)	1:35:A:SER:HB2	1:35:A:SER:HA	18	0.3
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE1	12	0.3
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE2	12	0.3
(2,1709)	1:79:A:MET:HG3	1:79:A:MET:HE3	12	0.3
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	1	0.3
(2,1639)	1:90:A:LEU:H	1:90:A:LEU:HB3	13	0.3
(2,1631)	1:40:A:LEU:HG	1:41:A:THR:H	2	0.3
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	3	0.3
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	6	0.3
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	7	0.3
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	8	0.3
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	11	0.3
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	13	0.3
(2,1625)	1:83:A:PRO:HG2	1:83:A:PRO:HB3	15	0.3
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	16	0.3
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	16	0.3
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	16	0.3
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	19	0.3
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	19	0.3
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	19	0.3
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	10	0.3
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	13	0.3
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	14	0.3
(2,1556)	1:18:A:ILE:HG12	1:18:A:ILE:H	20	0.3
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	1	0.3
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	2	0.3
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	8	0.3
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	10	0.3
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	14	0.3
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	15	0.3
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	2	0.3
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	3	0.3
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	16	0.3
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	5	0.3
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	17	0.3
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	4	0.3
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	12	0.3
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	15	0.3
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	17	0.3
(2,1237)	1:116:A:LEU:HB3	1:116:A:LEU:HG	19	0.3
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	4	0.3
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	4	0.3
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	4	0.3
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	15	0.3
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	15	0.3
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	15	0.3
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	18	0.3
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	18	0.3
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	18	0.3
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	12	0.3
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	3	0.3
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	14	0.3
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	6	0.3
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	6	0.3
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	6	0.3
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	8	0.3
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	8	0.3
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	8	0.3
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	4	0.3
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	3	0.3
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	12	0.3
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	14	0.3
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	4	0.3
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	5	0.3
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	9	0.3
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	13	0.3
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	4	0.3
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	16	0.3
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	3	0.3
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	8	0.3
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	1	0.3
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	7	0.3
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	9	0.3
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	10	0.3
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	19	0.3
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	1	0.3
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	14	0.3
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	16	0.3
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	17	0.3
(2,755)	1:44:A:GLN:HG2	1:44:A:GLN:HE22	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	9	0.3
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	18	0.3
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	5	0.3
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	6	0.3
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	17	0.3
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	5	0.3
(2,258)	1:110:A:PRO:HA	1:110:A:PRO:HB2	4	0.3
(2,207)	1:79:A:MET:H	1:79:A:MET:HG2	12	0.3
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	7	0.3
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	8	0.3
(2,125)	1:103:A:ARG:HD3	1:103:A:ARG:HB2	7	0.3
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	2	0.3
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	3	0.3
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	4	0.3
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	6	0.3
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	12	0.3
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	14	0.3
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	15	0.3
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	16	0.3
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	17	0.3
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	18	0.3
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	1	0.3
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	1	0.3
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	1	0.3
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	11	0.3
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	11	0.3
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	11	0.3
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	13	0.3
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	13	0.3
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	13	0.3
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	1	0.29
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	8	0.29
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	10	0.29
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	11	0.29
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	13	0.29
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	16	0.29
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	19	0.29
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	20	0.29
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	13	0.29
(4,1472)	1:108:A:GLY:H	1:107:A:PRO:HG2	19	0.29
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	7	0.29
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	16	0.29
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	14	0.29
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	17	0.29
(4,1424)	1:98:A:PHE:H	1:97:A:GLU:HG2	19	0.29
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	8	0.29
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	8	0.29
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	8	0.29
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	13	0.29
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	13	0.29
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	13	0.29
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	1	0.29
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	3	0.29
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	6	0.29
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	7	0.29
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	11	0.29
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	14	0.29
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	20	0.29
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	1	0.29
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	1	0.29
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	1	0.29
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	17	0.29
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	17	0.29
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	17	0.29
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	4	0.29
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	7	0.29
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	11	0.29
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	17	0.29
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	17	0.29
(4,1248)	1:103:A:ARG:HD3	1:104:A:GLN:H	10	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	1	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	2	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	3	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	5	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	6	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	7	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	8	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	9	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	10	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	11	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	12	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	15	0.29
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	19	0.29
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	1	0.29
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	1	0.29
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	10	0.29
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	13	0.29
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	18	0.29
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	18	0.29
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	18	0.29
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	20	0.29
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	20	0.29
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	20	0.29
(4,1227)	1:111:A:PHE:HA	1:112:A:GLY:H	12	0.29
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	9	0.29
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	9	0.29
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	9	0.29
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	7	0.29
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	20	0.29
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	16	0.29
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	16	0.29
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	16	0.29
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	1	0.29
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	3	0.29
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	6	0.29
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	7	0.29
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	10	0.29
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	12	0.29
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	14	0.29
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	5	0.29
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	4	0.29
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	7	0.29
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	14	0.29
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	2	0.29
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	2	0.29
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	2	0.29
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	7	0.29
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	7	0.29
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	7	0.29
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	11	0.29
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	11	0.29
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	11	0.29
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	9	0.29
(4,993)	1:17:A:SER:H	1:18:A:ILE:H	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	15	0.29
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	15	0.29
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	6	0.29
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	6	0.29
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	6	0.29
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	6	0.29
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	8	0.29
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	8	0.29
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	8	0.29
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	10	0.29
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	10	0.29
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	10	0.29
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	13	0.29
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	13	0.29
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	13	0.29
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	19	0.29
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	19	0.29
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	19	0.29
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	8	0.29
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	15	0.29
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	16	0.29
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	16	0.29
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	16	0.29
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	16	0.29
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	16	0.29
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	16	0.29
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	17	0.29
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	17	0.29
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	17	0.29
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	17	0.29
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	17	0.29
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	17	0.29
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	18	0.29
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	18	0.29
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	18	0.29
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	18	0.29
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	18	0.29
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	18	0.29
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	5	0.29
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	15	0.29
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	14	0.29
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,865)	1:144:A:ARG:HD3	1:145:A:MET:H	4	0.29
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	6	0.29
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	17	0.29
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	6	0.29
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	6	0.29
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	6	0.29
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	14	0.29
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	14	0.29
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	14	0.29
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	1	0.29
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	8	0.29
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	18	0.29
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	19	0.29
(4,699)	1:20:A:ALA:H	1:21:A:ASP:H	8	0.29
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	13	0.29
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	6	0.29
(4,642)	1:120:A:LYS:HG2	1:120:A:LYS:H	1	0.29
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	7	0.29
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	7	0.29
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	7	0.29
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	11	0.29
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	11	0.29
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	11	0.29
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	13	0.29
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	5	0.29
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	17	0.29
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	9	0.29
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	12	0.29
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	12	0.29
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	14	0.29
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	19	0.29
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	2	0.29
(4,533)	1:83:A:PRO:HD3	1:84:A:ILE:H	10	0.29
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	11	0.29
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	3	0.29
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	9	0.29
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	11	0.29
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	16	0.29
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	20	0.29
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	5	0.29
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	7	0.29
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	4	0.29
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	18	0.29
(4,440)	1:35:A:SER:HB3	1:35:A:SER:H	7	0.29
(4,437)	1:88:A:LYS:HG2	1:89:A:ILE:H	19	0.29
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	4	0.29
(4,433)	1:162:A:ARG:HB3	1:162:A:ARG:H	2	0.29
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	13	0.29
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	14	0.29
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	2	0.29
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	5	0.29
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	8	0.29
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	9	0.29
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	13	0.29
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	3	0.29
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	3	0.29
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	3	0.29
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	13	0.29
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	13	0.29
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	13	0.29
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	3	0.29
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	5	0.29
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	16	0.29
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	11	0.29
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	11	0.29
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	7	0.29
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	20	0.29
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	10	0.29
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	3	0.29
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	10	0.29
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	7	0.29
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	14	0.29
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	18	0.29
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	19	0.29
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	4	0.29
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	10	0.29
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	20	0.29
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	1	0.29
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	2	0.29
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	3	0.29
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	16	0.29
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	1	0.29
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	7	0.29
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	17	0.29
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	11	0.29
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	13	0.29
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	9	0.29
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	17	0.29
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	19	0.29
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	13	0.29
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	13	0.29
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	13	0.29
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	13	0.29
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	13	0.29
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	13	0.29
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	17	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	1	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	1	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	1	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	4	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	4	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	4	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	7	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	7	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	7	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	8	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	8	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	8	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	10	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	10	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	10	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	13	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	13	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	13	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	15	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	15	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	15	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	16	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	16	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	16	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	18	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	18	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	18	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	19	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	19	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	20	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	20	0.29
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	20	0.29
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	19	0.29
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	1	0.29
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	10	0.29
(2,2909)	1:105:A:ARG:HB3	1:105:A:ARG:HG3	12	0.29
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	19	0.29
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	5	0.29
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG21	1	0.29
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG22	1	0.29
(2,2773)	1:7:A:TYR:HB3	1:46:A:ILE:HG23	1	0.29
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	4	0.29
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	18	0.29
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	15	0.29
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	1	0.29
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	3	0.29
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	8	0.29
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	12	0.29
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	13	0.29
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	14	0.29
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	15	0.29
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	16	0.29
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	19	0.29
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	20	0.29
(2,2633)	1:31:A:GLN:HB2	1:32:A:ALA:H	15	0.29
(2,2552)	1:11:A:GLN:HG2	1:11:A:GLN:H	7	0.29
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	12	0.29
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	8	0.29
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	16	0.29
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	13	0.29
(2,2234)	1:98:A:PHE:H	1:97:A:GLU:HG3	17	0.29
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	1	0.29
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	5	0.29
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	6	0.29
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	10	0.29
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	1	0.29
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	7	0.29
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	10	0.29
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	1	0.29
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	8	0.29
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	7	0.29
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	12	0.29
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	16	0.29
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	17	0.29
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	18	0.29
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	20	0.29
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	9	0.29
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	4	0.29
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	4	0.29
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	4	0.29
(2,1699)	1:10:A:LYS:HG3	1:10:A:LYS:HE3	1	0.29
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	15	0.29
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	20	0.29
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	20	0.29
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	20	0.29
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	5	0.29
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	7	0.29
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	13	0.29
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	18	0.29
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	1	0.29
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	1	0.29
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	3	0.29
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	9	0.29
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	3	0.29
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	1	0.29
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	7	0.29
(2,1233)	1:9:A:VAL:HG11	1:9:A:VAL:H	11	0.29
(2,1233)	1:9:A:VAL:HG12	1:9:A:VAL:H	11	0.29
(2,1233)	1:9:A:VAL:HG13	1:9:A:VAL:H	11	0.29
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	1	0.29
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	11	0.29
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	11	0.29
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	11	0.29
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	18	0.29
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	18	0.29
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	18	0.29
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	4	0.29
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	7	0.29
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	10	0.29
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	13	0.29
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	20	0.29
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	5	0.29
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	5	0.29
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	5	0.29
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	13	0.29
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	13	0.29
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	13	0.29
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	19	0.29
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	5	0.29
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	8	0.29
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	10	0.29
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	12	0.29
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	13	0.29
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	14	0.29
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	5	0.29
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	10	0.29
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	4	0.29
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	3	0.29
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	5	0.29
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	8	0.29
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	12	0.29
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	16	0.29
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	18	0.29
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	10	0.29
(2,595)	1:151:A:ILE:HG12	1:151:A:ILE:H	2	0.29
(2,505)	1:34:A:PRO:HG3	1:35:A:SER:H	11	0.29
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	4	0.29
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	4	0.29
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	4	0.29
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	6	0.29
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	7	0.29
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	19	0.29
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	12	0.29
(2,149)	1:37:A:GLN:HG2	1:37:A:GLN:HA	14	0.29
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	8	0.29
(2,38)	1:44:A:GLN:HB2	1:44:A:GLN:HG2	10	0.29
(2,12)	1:148:A:LYS:HA	1:148:A:LYS:HG2	3	0.29
(1,44)	1:118:A:LEU:HD11	1:123:A:TYR:HB3	5	0.29
(1,44)	1:118:A:LEU:HD12	1:123:A:TYR:HB3	5	0.29
(1,44)	1:118:A:LEU:HD13	1:123:A:TYR:HB3	5	0.29
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	4	0.29
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	4	0.29
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	9	0.29
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	9	0.29
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	9	0.29
(1,20)	1:123:A:TYR:HE1	1:122:A:HIS:HB3	13	0.29
(1,20)	1:123:A:TYR:HE2	1:122:A:HIS:HB3	13	0.29
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	15	0.29
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	15	0.29
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	15	0.29
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	1	0.29
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	1	0.29
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	1	0.29
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	8	0.29
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	8	0.29
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	8	0.29
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	2	0.28
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	7	0.28
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	14	0.28
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	18	0.28
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	15	0.28
(4,1530)	1:167:A:ARG:HG3	1:167:A:ARG:H	13	0.28
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	14	0.28
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	7	0.28
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	10	0.28
(4,1492)	1:2:A:ARG:HB3	1:3:A:LYS:H	1	0.28
(4,1472)	1:108:A:GLY:H	1:107:A:PRO:HG2	17	0.28
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	13	0.28
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	16	0.28
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	20	0.28
(4,1401)	1:79:A:MET:HE1	1:80:A:LYS:H	17	0.28
(4,1401)	1:79:A:MET:HE2	1:80:A:LYS:H	17	0.28
(4,1401)	1:79:A:MET:HE3	1:80:A:LYS:H	17	0.28
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	5	0.28
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	5	0.28
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	5	0.28
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	4	0.28
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	8	0.28
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	13	0.28
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	15	0.28
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	16	0.28
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	10	0.28
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	18	0.28
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	6	0.28
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	6	0.28
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	6	0.28
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	17	0.28
(4,1310)	1:160:A:GLY:H	1:161:A:THR:H	11	0.28
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	20	0.28
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	20	0.28
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	13	0.28
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	3	0.28
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	6	0.28
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	7	0.28
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	8	0.28
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	10	0.28
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	15	0.28
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	4	0.28
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	16	0.28
(4,1237)	1:126:A:HIS:H	1:126:A:HIS:HA	20	0.28
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	2	0.28
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	15	0.28
(4,1227)	1:111:A:PHE:HA	1:112:A:GLY:H	8	0.28
(4,1203)	1:162:A:ARG:HD3	1:163:A:VAL:H	1	0.28
(4,1203)	1:162:A:ARG:HD3	1:163:A:VAL:H	11	0.28
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	3	0.28
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	12	0.28
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	2	0.28
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	11	0.28
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	13	0.28
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	16	0.28
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	4	0.28
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	9	0.28
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	13	0.28
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	19	0.28
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	5	0.28
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	7	0.28
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	12	0.28
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	16	0.28
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	2	0.28
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	6	0.28
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	8	0.28
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	14	0.28
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	1	0.28
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	1	0.28
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	1	0.28
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	15	0.28
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	15	0.28
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	15	0.28
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	12	0.28
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	14	0.28
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	2	0.28
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	2	0.28
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	2	0.28
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	4	0.28
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	4	0.28
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	4	0.28
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	14	0.28
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	14	0.28
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	14	0.28
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	17	0.28
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	17	0.28
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	17	0.28
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	1	0.28
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	1	0.28
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	1	0.28
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	7	0.28
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	7	0.28
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	7	0.28
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	12	0.28
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	12	0.28
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	12	0.28
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	4	0.28
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	18	0.28
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	6	0.28
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	6	0.28
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	6	0.28
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	6	0.28
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	6	0.28
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	6	0.28
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	8	0.28
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	8	0.28
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	8	0.28
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	8	0.28
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	8	0.28
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	9	0.28
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	9	0.28
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	9	0.28
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	9	0.28
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	9	0.28
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	9	0.28
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	14	0.28
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	20	0.28
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	3	0.28
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	3	0.28
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	11	0.28
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	11	0.28
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	11	0.28
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	5	0.28
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	14	0.28
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	20	0.28
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	9	0.28
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	13	0.28
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	16	0.28
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	8	0.28
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	2	0.28
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	10	0.28
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	8	0.28
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	17	0.28
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	17	0.28
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD1	5	0.28
(4,692)	1:98:A:PHE:H	1:98:A:PHE:HD2	5	0.28
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	5	0.28
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	6	0.28
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	12	0.28
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	4	0.28
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	6	0.28
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	14	0.28
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	16	0.28
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	19	0.28
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	20	0.28
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	1	0.28
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	1	0.28
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	1	0.28
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	18	0.28
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	18	0.28
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	4	0.28
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	4	0.28
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	4	0.28
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	12	0.28
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	12	0.28
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	12	0.28
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	9	0.28
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	18	0.28
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	8	0.28
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	14	0.28
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	1	0.28
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	4	0.28
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	5	0.28
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	6	0.28
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	8	0.28
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	9	0.28
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	14	0.28
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	16	0.28
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	4	0.28
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	12	0.28
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	13	0.28
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	18	0.28
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	19	0.28
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	6	0.28
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	7	0.28
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	19	0.28
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	20	0.28
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	2	0.28
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	4	0.28
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	14	0.28
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	15	0.28
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	17	0.28
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	10	0.28
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	1	0.28
(4,434)	1:5:A:LEU:H	1:48:A:ILE:H	7	0.28
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	2	0.28
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	7	0.28
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	2	0.28
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	7	0.28
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,372)	1:25:A:SER:HA	1:26:A:THR:H	16	0.28
(4,365)	1:147:A:ASN:H	1:146:A:HIS:HB3	16	0.28
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	7	0.28
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	10	0.28
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	11	0.28
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	14	0.28
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	18	0.28
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	19	0.28
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	1	0.28
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	4	0.28
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	6	0.28
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	13	0.28
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	15	0.28
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	17	0.28
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	4	0.28
(4,288)	1:50:A:GLY:H	1:51:A:LEU:H	12	0.28
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	12	0.28
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	1	0.28
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	8	0.28
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	11	0.28
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	14	0.28
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	20	0.28
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	3	0.28
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	11	0.28
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	20	0.28
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	20	0.28
(4,231)	1:120:A:LYS:HB3	1:120:A:LYS:H	3	0.28
(4,231)	1:120:A:LYS:HB3	1:120:A:LYS:H	8	0.28
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	3	0.28
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	7	0.28
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	7	0.28
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	10	0.28
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	18	0.28
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	6	0.28
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	12	0.28
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	14	0.28
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	4	0.28
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	5	0.28
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	7	0.28
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	12	0.28
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	13	0.28
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	20	0.28
(4,51)	1:101:A:ILE:H	1:102:A:ASN:H	16	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	1	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	2	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	3	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	4	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	5	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	6	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	7	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	8	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	9	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	10	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	11	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	12	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	13	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	14	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	15	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	16	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	17	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	18	0.28
(4,1)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	20	0.28
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	18	0.28
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	10	0.28
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	12	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	2	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	2	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	2	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	5	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	5	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	5	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	6	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	6	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	6	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	12	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	12	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	12	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	17	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	17	0.28
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	17	0.28
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	14	0.28
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	18	0.28
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	3	0.28
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	4	0.28
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	5	0.28
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	6	0.28
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	13	0.28
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	14	0.28
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	15	0.28
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	16	0.28
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	17	0.28
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	20	0.28
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	5	0.28
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	10	0.28
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	16	0.28
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	20	0.28
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	7	0.28
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	19	0.28
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	6	0.28
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	1	0.28
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	8	0.28
(2,2717)	1:3:A:LYS:HG3	1:3:A:LYS:HA	17	0.28
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	2	0.28
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	4	0.28
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	5	0.28
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	7	0.28
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	9	0.28
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	10	0.28
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	11	0.28
(2,2649)	1:92:A:GLN:HG3	1:92:A:GLN:HB3	17	0.28
(2,2633)	1:31:A:GLN:HB2	1:32:A:ALA:H	8	0.28
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	2	0.28
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	13	0.28
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	12	0.28
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	5	0.28
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	6	0.28
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	8	0.28
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	9	0.28
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	14	0.28
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	16	0.28
(2,2234)	1:98:A:PHE:H	1:97:A:GLU:HG3	19	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	2	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	3	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	5	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	7	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	8	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	9	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	10	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	11	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	12	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	13	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	14	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	15	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	16	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	17	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	19	0.28
(2,2229)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	20	0.28
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	9	0.28
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	15	0.28
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	1	0.28
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	9	0.28
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	12	0.28
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	15	0.28
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	8	0.28
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	9	0.28
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	15	0.28
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	17	0.28
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	19	0.28
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	12	0.28
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	14	0.28
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	1	0.28
(2,2026)	1:92:A:GLN:HA	1:92:A:GLN:HG3	15	0.28
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	2	0.28
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	6	0.28
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	8	0.28
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	10	0.28
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	20	0.28
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	11	0.28
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	19	0.28
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	6	0.28
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	6	0.28
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	6	0.28
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	13	0.28
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	20	0.28
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	18	0.28
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	18	0.28
(2,1756)	1:5:A:LEU:HD21	1:54:A:PRO:HD3	15	0.28
(2,1756)	1:5:A:LEU:HD22	1:54:A:PRO:HD3	15	0.28
(2,1756)	1:5:A:LEU:HD23	1:54:A:PRO:HD3	15	0.28
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	4	0.28
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	4	0.28
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	4	0.28
(2,1572)	1:150:A:VAL:HG21	1:151:A:ILE:H	17	0.28
(2,1572)	1:150:A:VAL:HG22	1:151:A:ILE:H	17	0.28
(2,1572)	1:150:A:VAL:HG23	1:151:A:ILE:H	17	0.28
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	11	0.28
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	11	0.28
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	15	0.28
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	2	0.28
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	17	0.28
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	6	0.28
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	10	0.28
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	8	0.28
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	13	0.28
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	16	0.28
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	18	0.28
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	20	0.28
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	5	0.28
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	17	0.28
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	18	0.28
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	3	0.28
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	3	0.28
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	3	0.28
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	3	0.28
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	6	0.28
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	13	0.28
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	11	0.28
(2,989)	1:104:A:GLN:HB2	1:105:A:ARG:H	17	0.28
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	1	0.28
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	2	0.28
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	3	0.28
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	6	0.28
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	17	0.28
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	19	0.28
(2,930)	1:23:A:ARG:HD3	1:24:A:ILE:H	19	0.28
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,918)	1:79:A:MET:H	1:79:A:MET:HG3	11	0.28
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	3	0.28
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	5	0.28
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	7	0.28
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	19	0.28
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	20	0.28
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	2	0.28
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	5	0.28
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	17	0.28
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	13	0.28
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	15	0.28
(2,801)	1:101:A:ILE:HA	1:101:A:ILE:HG13	20	0.28
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	7	0.28
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	16	0.28
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	16	0.28
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	16	0.28
(2,383)	1:104:A:GLN:HB3	1:105:A:ARG:H	18	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	1	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	2	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	3	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	4	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	5	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	8	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	9	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	10	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	11	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	12	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	13	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	14	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	15	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	16	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	17	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	18	0.28
(2,371)	1:10:A:LYS:HA	1:10:A:LYS:HB2	20	0.28
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	9	0.28
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	9	0.28
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	9	0.28
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	15	0.28
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	15	0.28
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	15	0.28
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	16	0.28
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	16	0.28
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	3	0.28
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	12	0.28
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	7	0.28
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	7	0.28
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	7	0.28
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	8	0.28
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	8	0.28
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	8	0.28
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD11	2	0.28
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD12	2	0.28
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD13	2	0.28
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	14	0.28
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	14	0.28
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	14	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	5	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	5	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	5	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	8	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	8	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	8	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	19	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	19	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	19	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	20	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	20	0.28
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	20	0.28
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	3	0.28
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	3	0.28
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	3	0.28
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	15	0.27
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	16	0.27
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	1	0.27
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	5	0.27
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	9	0.27
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	16	0.27
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	18	0.27
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	19	0.27
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	1	0.27
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	2	0.27
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	3	0.27
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	17	0.27
(4,1401)	1:79:A:MET:HE1	1:80:A:LYS:H	5	0.27
(4,1401)	1:79:A:MET:HE2	1:80:A:LYS:H	5	0.27
(4,1401)	1:79:A:MET:HE3	1:80:A:LYS:H	5	0.27
(4,1398)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	9	0.27
(4,1386)	1:44:A:GLN:HB3	1:45:A:SER:H	8	0.27
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	1	0.27
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	1	0.27
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	1	0.27
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	7	0.27
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	7	0.27
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	7	0.27
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	10	0.27
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	10	0.27
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	10	0.27
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	20	0.27
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	20	0.27
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	20	0.27
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	5	0.27
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	10	0.27
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	2	0.27
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	8	0.27
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	8	0.27
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	8	0.27
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	16	0.27
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	16	0.27
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	16	0.27
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	20	0.27
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	20	0.27
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	20	0.27
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	7	0.27
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	6	0.27
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	14	0.27
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	18	0.27
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	14	0.27
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	19	0.27
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	1	0.27
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	10	0.27
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	16	0.27
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	1	0.27
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	3	0.27
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	9	0.27
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	16	0.27
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	18	0.27
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	14	0.27
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	6	0.27
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	7	0.27
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	8	0.27
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	9	0.27
(4,1227)	1:111:A:PHE:HA	1:112:A:GLY:H	5	0.27
(4,1227)	1:111:A:PHE:HA	1:112:A:GLY:H	9	0.27
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	1	0.27
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	1	0.27
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	1	0.27
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	4	0.27
(4,1144)	1:163:A:VAL:HB	1:163:A:VAL:H	4	0.27
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	12	0.27
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	17	0.27
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	1	0.27
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	8	0.27
(4,1097)	1:15:A:LEU:HD11	1:26:A:THR:H	13	0.27
(4,1097)	1:15:A:LEU:HD12	1:26:A:THR:H	13	0.27
(4,1097)	1:15:A:LEU:HD13	1:26:A:THR:H	13	0.27
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	15	0.27
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	3	0.27
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	5	0.27
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	15	0.27
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	16	0.27
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	5	0.27
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	9	0.27
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	19	0.27
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	5	0.27
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	5	0.27
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	5	0.27
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	16	0.27
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	1	0.27
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	3	0.27
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	4	0.27
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	7	0.27
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	8	0.27
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	10	0.27
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	11	0.27
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	16	0.27
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	19	0.27
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	20	0.27
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	18	0.27
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	4	0.27
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	16	0.27
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	16	0.27
(4,943)	1:152:A:GLU:H	1:152:A:GLU:HB2	15	0.27
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	5	0.27
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	5	0.27
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	5	0.27
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	12	0.27
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	12	0.27
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	12	0.27
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	16	0.27
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	16	0.27
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	16	0.27
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	5	0.27
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	5	0.27
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	5	0.27
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	5	0.27
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	5	0.27
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	5	0.27
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	1	0.27
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	2	0.27
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	3	0.27
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	8	0.27
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	17	0.27
(4,872)	1:7:A:TYR:H	1:46:A:ILE:H	13	0.27
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	12	0.27
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	13	0.27
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	13	0.27
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	13	0.27
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	17	0.27
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	17	0.27
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	17	0.27
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	4	0.27
(4,826)	1:71:A:THR:H	1:70:A:LEU:HA	12	0.27
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	18	0.27
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	2	0.27
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	19	0.27
(4,776)	1:2:A:ARG:HB3	1:2:A:ARG:H	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	1	0.27
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	15	0.27
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	18	0.27
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	19	0.27
(4,744)	1:152:A:GLU:H	1:151:A:ILE:H	17	0.27
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	6	0.27
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	9	0.27
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	11	0.27
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	3	0.27
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	10	0.27
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	2	0.27
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	1	0.27
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	3	0.27
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	11	0.27
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	12	0.27
(4,642)	1:120:A:LYS:HG2	1:120:A:LYS:H	6	0.27
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	4	0.27
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	4	0.27
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	4	0.27
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	7	0.27
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	7	0.27
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	7	0.27
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	10	0.27
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	10	0.27
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	10	0.27
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	11	0.27
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	11	0.27
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	11	0.27
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	2	0.27
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	2	0.27
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	2	0.27
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	3	0.27
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	3	0.27
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	3	0.27
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	10	0.27
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	10	0.27
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	10	0.27
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	13	0.27
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	13	0.27
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	13	0.27
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	17	0.27
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	17	0.27
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	18	0.27
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	18	0.27
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	18	0.27
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	19	0.27
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	19	0.27
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	19	0.27
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	20	0.27
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	20	0.27
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	20	0.27
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	7	0.27
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	13	0.27
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	10	0.27
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	20	0.27
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	20	0.27
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	8	0.27
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	10	0.27
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	1	0.27
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	1	0.27
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	1	0.27
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG21	17	0.27
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG22	17	0.27
(4,534)	1:152:A:GLU:H	1:151:A:ILE:HG23	17	0.27
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	2	0.27
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	3	0.27
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	7	0.27
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	10	0.27
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	12	0.27
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	13	0.27
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	15	0.27
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	17	0.27
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	18	0.27
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	19	0.27
(4,526)	1:9:A:VAL:HA	1:9:A:VAL:H	20	0.27
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	17	0.27
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	3	0.27
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	4	0.27
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	11	0.27
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	12	0.27
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	14	0.27
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	17	0.27
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	19	0.27
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	14	0.27
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	10	0.27
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	1	0.27
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	4	0.27
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	17	0.27
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	5	0.27
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	5	0.27
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	5	0.27
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	8	0.27
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	8	0.27
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	8	0.27
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	1	0.27
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	2	0.27
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	3	0.27
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	5	0.27
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	8	0.27
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	9	0.27
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	12	0.27
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	13	0.27
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	17	0.27
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	7	0.27
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	18	0.27
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	20	0.27
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	4	0.27
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	4	0.27
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	15	0.27
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	15	0.27
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	10	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	1	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	3	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	4	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	5	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	6	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	7	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	8	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	9	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	10	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	11	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	12	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	13	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	15	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	16	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	17	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	18	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	19	0.27
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	20	0.27
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	14	0.27
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	20	0.27
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	2	0.27
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	17	0.27
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	17	0.27
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	13	0.27
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	6	0.27
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	6	0.27
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	5	0.27
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	12	0.27
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	19	0.27
(4,166)	1:31:A:GLN:HG3	1:31:A:GLN:HE21	4	0.27
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	10	0.27
(4,151)	1:18:A:ILE:HB	1:18:A:ILE:H	11	0.27
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	2	0.27
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	11	0.27
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	2	0.27
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	3	0.27
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	6	0.27
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	9	0.27
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	10	0.27
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	11	0.27
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	14	0.27
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	15	0.27
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	16	0.27
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	17	0.27
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	19	0.27
(4,124)	1:60:A:HIS:H	1:60:A:HIS:HB2	5	0.27
(4,124)	1:60:A:HIS:H	1:60:A:HIS:HB2	15	0.27
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	15	0.27
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	15	0.27
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	16	0.27
(4,31)	1:117:A:SER:H	1:102:A:ASN:HB3	4	0.27
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	15	0.27
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	1	0.27
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	3	0.27
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	3	0.27
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	3	0.27
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD21	14	0.27
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD22	14	0.27
(2,3040)	1:70:A:LEU:HB2	1:70:A:LEU:HD23	14	0.27
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	6	0.27
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	11	0.27
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	2	0.27
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	7	0.27
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	18	0.27
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	9	0.27
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	2	0.27
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	3	0.27
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	4	0.27
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	6	0.27
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	7	0.27
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	11	0.27
(2,2828)	1:35:A:SER:HB3	1:35:A:SER:HA	17	0.27
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	13	0.27
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	10	0.27
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	14	0.27
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	13	0.27
(2,2771)	1:77:A:ARG:HG3	1:77:A:ARG:HD2	16	0.27
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	12	0.27
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	10	0.27
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	5	0.27
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	7	0.27
(2,2446)	1:23:A:ARG:HA	1:23:A:ARG:HG2	19	0.27
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	1	0.27
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	2	0.27
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	3	0.27
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	4	0.27
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	10	0.27
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	11	0.27
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	17	0.27
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	18	0.27
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	19	0.27
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	20	0.27
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	3	0.27
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	5	0.27
(2,2373)	1:167:A:ARG:HD3	1:167:A:ARG:HG3	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	4	0.27
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	13	0.27
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	2	0.27
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	3	0.27
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	18	0.27
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	4	0.27
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	6	0.27
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	11	0.27
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	18	0.27
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	16	0.27
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	15	0.27
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	9	0.27
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	12	0.27
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	4	0.27
(2,2007)	1:111:A:PHE:HB3	1:112:A:GLY:H	11	0.27
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	15	0.27
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	13	0.27
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	17	0.27
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	19	0.27
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	14	0.27
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	14	0.27
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	14	0.27
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	12	0.27
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	12	0.27
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	12	0.27
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	11	0.27
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	10	0.27
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	14	0.27
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	19	0.27
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	5	0.27
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	5	0.27
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	6	0.27
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	19	0.27
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	15	0.27
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	17	0.27
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	3	0.27
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	8	0.27
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	9	0.27
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	11	0.27
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	16	0.27
(2,1163)	1:44:A:GLN:HB2	1:45:A:SER:H	7	0.27
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	9	0.27
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	9	0.27
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	18	0.27
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	9	0.27
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	16	0.27
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	19	0.27
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	14	0.27
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	18	0.27
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	18	0.27
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	18	0.27
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	12	0.27
(2,1026)	1:52:A:PRO:HG2	1:52:A:PRO:HA	20	0.27
(2,965)	1:40:A:LEU:HB3	1:40:A:LEU:H	11	0.27
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	2	0.27
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	8	0.27
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	15	0.27
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	16	0.27
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	17	0.27
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	12	0.27
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	12	0.27
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	12	0.27
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	3	0.27
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	19	0.27
(2,613)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	20	0.27
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	1	0.27
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	1	0.27
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	1	0.27
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	7	0.27
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	7	0.27
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	7	0.27
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	7	0.27
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	7	0.27
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	7	0.27
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	8	0.27
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	3	0.27
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	10	0.27
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	3	0.27
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	3	0.27
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	3	0.27
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	17	0.27
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	17	0.27
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	19	0.27
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	19	0.27
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	19	0.27
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	4	0.27
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	13	0.27
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	15	0.27
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	17	0.27
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	18	0.27
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	11	0.27
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	19	0.27
(2,6)	1:112:A:GLY:HA2	1:113:A:ALA:H	19	0.27
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	20	0.27
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	20	0.27
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	20	0.27
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	8	0.27
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	8	0.27
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	8	0.27
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	3	0.27
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	3	0.27
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	3	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	1	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	1	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	1	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	3	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	3	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	3	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	16	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	16	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	16	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	17	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	17	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	17	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	18	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	18	0.27
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	18	0.27
(4,1554)	1:128:A:THR:H	1:127:A:GLY:HA3	6	0.26
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	7	0.26
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	10	0.26
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	2	0.26
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	4	0.26
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	17	0.26
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	7	0.26
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	19	0.26
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	4	0.26
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	5	0.26
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	10	0.26
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	12	0.26
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	15	0.26
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	18	0.26
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	19	0.26
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	1	0.26
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	8	0.26
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	12	0.26
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	16	0.26
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	2	0.26
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	4	0.26
(4,1398)	1:121:A:GLN:HG3	1:121:A:GLN:HE21	14	0.26
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	2	0.26
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	2	0.26
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	2	0.26
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	9	0.26
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	9	0.26
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	9	0.26
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	15	0.26
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	15	0.26
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	15	0.26
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	17	0.26
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	19	0.26
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	3	0.26
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	4	0.26
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	6	0.26
(4,1371)	1:24:A:ILE:HD11	1:25:A:SER:H	10	0.26
(4,1371)	1:24:A:ILE:HD12	1:25:A:SER:H	10	0.26
(4,1371)	1:24:A:ILE:HD13	1:25:A:SER:H	10	0.26
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	4	0.26
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	6	0.26
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	8	0.26
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	11	0.26
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	18	0.26
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	17	0.26
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	17	0.26
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	17	0.26
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	12	0.26
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	10	0.26
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	11	0.26
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	13	0.26
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	8	0.26
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	8	0.26
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	8	0.26
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	5	0.26
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	6	0.26
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	2	0.26
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	12	0.26
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	15	0.26
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	16	0.26
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	5	0.26
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	12	0.26
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	4	0.26
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	15	0.26
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	17	0.26
(4,1235)	1:145:A:MET:HG3	1:145:A:MET:H	3	0.26
(4,1229)	1:157:A:VAL:HG21	1:157:A:VAL:H	15	0.26
(4,1229)	1:157:A:VAL:HG22	1:157:A:VAL:H	15	0.26
(4,1229)	1:157:A:VAL:HG23	1:157:A:VAL:H	15	0.26
(4,1196)	1:88:A:LYS:HG3	1:89:A:ILE:H	13	0.26
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	2	0.26
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	2	0.26
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	2	0.26
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	11	0.26
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	11	0.26
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	11	0.26
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	1	0.26
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	18	0.26
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	19	0.26
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	14	0.26
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	16	0.26
(4,1134)	1:70:A:LEU:H	1:69:A:THR:HA	20	0.26
(4,1123)	1:162:A:ARG:HG3	1:163:A:VAL:H	1	0.26
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	3	0.26
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	13	0.26
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	10	0.26
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	17	0.26
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	16	0.26
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	3	0.26
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	3	0.26
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	8	0.26
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	8	0.26
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	8	0.26
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	9	0.26
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	9	0.26
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	9	0.26
(4,1029)	1:70:A:LEU:HD11	1:71:A:THR:H	15	0.26
(4,1029)	1:70:A:LEU:HD12	1:71:A:THR:H	15	0.26
(4,1029)	1:70:A:LEU:HD13	1:71:A:THR:H	15	0.26
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	2	0.26
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	2	0.26
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	2	0.26
(4,1000)	1:3:A:LYS:H	1:4:A:LEU:H	8	0.26
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	5	0.26
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	6	0.26
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	9	0.26
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	13	0.26
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	15	0.26
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	17	0.26
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	18	0.26
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	6	0.26
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	11	0.26
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	4	0.26
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	20	0.26
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	3	0.26
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	5	0.26
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	10	0.26
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	20	0.26
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	20	0.26
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	20	0.26
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	20	0.26
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	20	0.26
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	20	0.26
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	12	0.26
(4,891)	1:159:A:ASN:HB2	1:159:A:ASN:HD21	16	0.26
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	2	0.26
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	2	0.26
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	2	0.26
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	10	0.26
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	10	0.26
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	9	0.26
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	17	0.26
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	10	0.26
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	13	0.26
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	3	0.26
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	12	0.26
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	14	0.26
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	11	0.26
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	11	0.26
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	11	0.26
(4,764)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	7	0.26
(4,764)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	11	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	2	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	3	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	4	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	5	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	6	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	7	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	8	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	9	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	10	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	11	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	12	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	13	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	14	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	16	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	17	0.26
(4,760)	1:79:A:MET:H	1:79:A:MET:HA	20	0.26
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	3	0.26
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	5	0.26
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	13	0.26
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	2	0.26
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	4	0.26
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	11	0.26
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	14	0.26
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	16	0.26
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	17	0.26
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	19	0.26
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	1	0.26
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	3	0.26
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	9	0.26
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	10	0.26
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	13	0.26
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	15	0.26
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	18	0.26
(4,642)	1:120:A:LYS:HG2	1:120:A:LYS:H	9	0.26
(4,642)	1:120:A:LYS:HG2	1:120:A:LYS:H	12	0.26
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	1	0.26
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	1	0.26
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	1	0.26
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	6	0.26
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	6	0.26
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	6	0.26
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	15	0.26
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	15	0.26
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	15	0.26
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	6	0.26
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	12	0.26
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	1	0.26
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	4	0.26
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	6	0.26
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	7	0.26
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	12	0.26
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	16	0.26
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	18	0.26
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	15	0.26
(4,519)	1:44:A:GLN:HG3	1:44:A:GLN:H	7	0.26
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	6	0.26
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	10	0.26
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	1	0.26
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	5	0.26
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	8	0.26
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	9	0.26
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	10	0.26
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	13	0.26
(4,495)	1:144:A:ARG:HD3	1:144:A:ARG:H	4	0.26
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	15	0.26
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	11	0.26
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	18	0.26
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	11	0.26
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	5	0.26
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	6	0.26
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	10	0.26
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	15	0.26
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	18	0.26
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	11	0.26
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	11	0.26
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	11	0.26
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	1	0.26
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	4	0.26
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	14	0.26
(4,278)	1:85:A:ALA:HA	1:85:A:ALA:H	2	0.26
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	5	0.26
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	19	0.26
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	10	0.26
(4,256)	1:103:A:ARG:HB3	1:104:A:GLN:H	5	0.26
(4,256)	1:103:A:ARG:HB3	1:104:A:GLN:H	9	0.26
(4,256)	1:103:A:ARG:HB3	1:104:A:GLN:H	19	0.26
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	5	0.26
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	1	0.26
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	15	0.26
(4,154)	1:122:A:HIS:H	1:121:A:GLN:HB2	14	0.26
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	13	0.26
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	15	0.26
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	18	0.26
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	1	0.26
(4,129)	1:50:A:GLY:H	1:50:A:GLY:HA2	8	0.26
(4,124)	1:60:A:HIS:H	1:60:A:HIS:HB2	1	0.26
(4,124)	1:60:A:HIS:H	1:60:A:HIS:HB2	6	0.26
(4,115)	1:35:A:SER:HB2	1:35:A:SER:H	17	0.26
(4,78)	1:2:A:ARG:HB2	1:3:A:LYS:H	12	0.26
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	8	0.26
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	9	0.26
(4,31)	1:117:A:SER:H	1:102:A:ASN:HB3	1	0.26
(4,31)	1:117:A:SER:H	1:102:A:ASN:HB3	17	0.26
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	12	0.26
(4,12)	1:114:A:TYR:HB3	1:115:A:TRP:H	12	0.26
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	16	0.26
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	16	0.26
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	20	0.26
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	9	0.26
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	13	0.26
(2,2957)	1:79:A:MET:HG2	1:80:A:LYS:H	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	8	0.26
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	9	0.26
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	10	0.26
(2,2926)	1:74:A:LEU:H	1:74:A:LEU:HG	12	0.26
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	4	0.26
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	6	0.26
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	13	0.26
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	15	0.26
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	2	0.26
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	7	0.26
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	19	0.26
(2,2734)	1:75:A:ASN:HB2	1:76:A:ASN:H	7	0.26
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	4	0.26
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	5	0.26
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	11	0.26
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	15	0.26
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	7	0.26
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	15	0.26
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	10	0.26
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	17	0.26
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	14	0.26
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	17	0.26
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	12	0.26
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	13	0.26
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	7	0.26
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	1	0.26
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	7	0.26
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	9	0.26
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	2	0.26
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	20	0.26
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	5	0.26
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	9	0.26
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	12	0.26
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	14	0.26
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	9	0.26
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	10	0.26
(2,1887)	1:121:A:GLN:HG3	1:121:A:GLN:HA	8	0.26
(2,1851)	1:10:A:LYS:HD3	1:10:A:LYS:HB2	19	0.26
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	6	0.26
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	8	0.26
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	8	0.26
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	13	0.26
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	19	0.26
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	8	0.26
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	9	0.26
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	3	0.26
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	13	0.26
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	18	0.26
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	6	0.26
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	14	0.26
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	3	0.26
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	5	0.26
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	7	0.26
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	8	0.26
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	11	0.26
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	12	0.26
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	13	0.26
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	16	0.26
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	20	0.26
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	2	0.26
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	5	0.26
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	8	0.26
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	19	0.26
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	4	0.26
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	6	0.26
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	6	0.26
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	8	0.26
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	8	0.26
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	8	0.26
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	9	0.26
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	1	0.26
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	2	0.26
(2,930)	1:23:A:ARG:HD3	1:24:A:ILE:H	7	0.26
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	14	0.26
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	1	0.26
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	9	0.26
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	11	0.26
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	12	0.26
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	13	0.26
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	4	0.26
(2,908)	1:58:A:PRO:HD3	1:58:A:PRO:HA	5	0.26
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	14	0.26
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	14	0.26
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	16	0.26
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	7	0.26
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	11	0.26
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	13	0.26
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	18	0.26
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	19	0.26
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	11	0.26
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	11	0.26
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	11	0.26
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	15	0.26
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	15	0.26
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	15	0.26
(2,288)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	16	0.26
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	1	0.26
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	2	0.26
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	2	0.26
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	2	0.26
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	2	0.26
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	12	0.26
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	12	0.26
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	12	0.26
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	9	0.26
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	14	0.26
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	16	0.26
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	19	0.26
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	20	0.26
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	2	0.26
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	2	0.26
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	2	0.26
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	16	0.26
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	16	0.26
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	16	0.26
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	18	0.26
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	18	0.26
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	18	0.26
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	9	0.26
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	16	0.26
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	16	0.26
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	16	0.26
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	19	0.26
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	19	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	4	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	4	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	4	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	6	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	6	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	6	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	7	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	7	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	7	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	10	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	10	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	10	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	13	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	13	0.26
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	13	0.26
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	6	0.25
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	3	0.25
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	3	0.25
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	7	0.25
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	8	0.25
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	11	0.25
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	12	0.25
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	15	0.25
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	19	0.25
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	15	0.25
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	8	0.25
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	14	0.25
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	2	0.25
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	17	0.25
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	5	0.25
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	10	0.25
(4,1424)	1:98:A:PHE:H	1:97:A:GLU:HG2	5	0.25
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	4	0.25
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	4	0.25
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	4	0.25
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	14	0.25
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	14	0.25
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	14	0.25
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	17	0.25
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	17	0.25
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1376)	1:164:A:THR:H	1:163:A:VAL:HA	9	0.25
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	15	0.25
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	16	0.25
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	1	0.25
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	2	0.25
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	3	0.25
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	10	0.25
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	14	0.25
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	20	0.25
(4,1300)	1:97:A:GLU:H	1:96:A:GLY:H	3	0.25
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	14	0.25
(4,1295)	1:118:A:LEU:HB3	1:119:A:SER:H	11	0.25
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	20	0.25
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	8	0.25
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	7	0.25
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	20	0.25
(4,1248)	1:103:A:ARG:HD3	1:104:A:GLN:H	3	0.25
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	1	0.25
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	7	0.25
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	18	0.25
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	2	0.25
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	11	0.25
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	13	0.25
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	17	0.25
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	19	0.25
(4,1240)	1:97:A:GLU:HB2	1:97:A:GLU:H	5	0.25
(4,1240)	1:97:A:GLU:HB2	1:97:A:GLU:H	17	0.25
(4,1240)	1:97:A:GLU:HB2	1:97:A:GLU:H	19	0.25
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	7	0.25
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	18	0.25
(4,1233)	1:63:A:VAL:HB	1:63:A:VAL:H	19	0.25
(4,1227)	1:111:A:PHE:HA	1:112:A:GLY:H	10	0.25
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	8	0.25
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	7	0.25
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	18	0.25
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	19	0.25
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	6	0.25
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	13	0.25
(4,1150)	1:36:A:LEU:HB2	1:36:A:LEU:H	15	0.25
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	2	0.25
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	4	0.25
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	9	0.25
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	10	0.25
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	11	0.25
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	13	0.25
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	2	0.25
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	7	0.25
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	14	0.25
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	10	0.25
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	16	0.25
(4,1097)	1:15:A:LEU:HD11	1:26:A:THR:H	6	0.25
(4,1097)	1:15:A:LEU:HD12	1:26:A:THR:H	6	0.25
(4,1097)	1:15:A:LEU:HD13	1:26:A:THR:H	6	0.25
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	2	0.25
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	19	0.25
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	20	0.25
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	12	0.25
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	6	0.25
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	6	0.25
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	6	0.25
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	11	0.25
(4,1000)	1:3:A:LYS:H	1:4:A:LEU:H	10	0.25
(4,989)	1:68:A:LYS:HA	1:68:A:LYS:H	2	0.25
(4,982)	1:10:A:LYS:HG3	1:10:A:LYS:H	8	0.25
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	3	0.25
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	16	0.25
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	10	0.25
(4,952)	1:36:A:LEU:HG	1:36:A:LEU:H	10	0.25
(4,944)	1:71:A:THR:H	1:62:A:ALA:H	19	0.25
(4,915)	1:72:A:LEU:HD21	1:73:A:SER:H	20	0.25
(4,915)	1:72:A:LEU:HD22	1:73:A:SER:H	20	0.25
(4,915)	1:72:A:LEU:HD23	1:73:A:SER:H	20	0.25
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	8	0.25
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	8	0.25
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	8	0.25
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	4	0.25
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	4	0.25
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	4	0.25
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	4	0.25
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	4	0.25
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	4	0.25
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	14	0.25
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	14	0.25
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	14	0.25
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	14	0.25
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	14	0.25
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	16	0.25
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	2	0.25
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	1	0.25
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	1	0.25
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	1	0.25
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	7	0.25
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	7	0.25
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	7	0.25
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	8	0.25
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	8	0.25
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	8	0.25
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	12	0.25
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	12	0.25
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	12	0.25
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	16	0.25
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	16	0.25
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	16	0.25
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	18	0.25
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	18	0.25
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	18	0.25
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	19	0.25
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	19	0.25
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	19	0.25
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	2	0.25
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	11	0.25
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	11	0.25
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	17	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	3	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	4	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	5	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	7	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	8	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	10	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	11	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	13	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	14	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	16	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	18	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	19	0.25
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	20	0.25
(4,764)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	13	0.25
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	5	0.25
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	6	0.25
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	9	0.25
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	13	0.25
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	9	0.25
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	2	0.25
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	2	0.25
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	7	0.25
(4,647)	1:151:A:ILE:HB	1:151:A:ILE:H	8	0.25
(4,642)	1:120:A:LYS:HG2	1:120:A:LYS:H	3	0.25
(4,642)	1:120:A:LYS:HG2	1:120:A:LYS:H	8	0.25
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	19	0.25
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	19	0.25
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	19	0.25
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	15	0.25
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	15	0.25
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	15	0.25
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	8	0.25
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	8	0.25
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	8	0.25
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	9	0.25
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	9	0.25
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	9	0.25
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	14	0.25
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	14	0.25
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	14	0.25
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	16	0.25
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	16	0.25
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	16	0.25
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	2	0.25
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	5	0.25
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	18	0.25
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	8	0.25
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	19	0.25
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	19	0.25
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	5	0.25
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	13	0.25
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	17	0.25
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	18	0.25
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	20	0.25
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	8	0.25
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	15	0.25
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	2	0.25
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	15	0.25
(4,504)	1:78:A:VAL:H	1:78:A:VAL:HA	16	0.25
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	9	0.25
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	16	0.25
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	2	0.25
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	6	0.25
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	7	0.25
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	8	0.25
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	14	0.25
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	15	0.25
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	16	0.25
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	20	0.25
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	14	0.25
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	15	0.25
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	17	0.25
(4,455)	1:122:A:HIS:H	1:123:A:TYR:H	20	0.25
(4,440)	1:35:A:SER:HB3	1:35:A:SER:H	2	0.25
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	11	0.25
(4,427)	1:31:A:GLN:H	1:30:A:LEU:H	12	0.25
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	10	0.25
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	16	0.25
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	4	0.25
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	12	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	9	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	9	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	9	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	15	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	15	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	15	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	17	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	17	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	17	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	18	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	18	0.25
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	18	0.25
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	2	0.25
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	8	0.25
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	2	0.25
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	8	0.25
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	9	0.25
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	10	0.25
(4,314)	1:74:A:LEU:HB3	1:74:A:LEU:H	12	0.25
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	15	0.25
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	7	0.25
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	11	0.25
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	2	0.25
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	12	0.25
(4,257)	1:59:A:TYR:HB3	1:60:A:HIS:H	11	0.25
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	14	0.25
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	18	0.25
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	4	0.25
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	2	0.25
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	12	0.25
(4,214)	1:99:A:TYR:HB3	1:100:A:ILE:H	14	0.25
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	1	0.25
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	11	0.25
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	1	0.25
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	4	0.25
(4,124)	1:60:A:HIS:H	1:60:A:HIS:HB2	18	0.25
(4,62)	1:56:A:THR:H	1:55:A:TYR:HB2	4	0.25
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	9	0.25
(4,31)	1:117:A:SER:H	1:102:A:ASN:HB3	10	0.25
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	8	0.25
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	19	0.25
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	20	0.25
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	11	0.25
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD11	16	0.25
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD12	16	0.25
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD13	16	0.25
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD11	16	0.25
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD12	16	0.25
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD13	16	0.25
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	1	0.25
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	1	0.25
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	1	0.25
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	1	0.25
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	1	0.25
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	5	0.25
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	5	0.25
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	5	0.25
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	5	0.25
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	5	0.25
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	5	0.25
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	5	0.25
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	5	0.25
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	12	0.25
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	1	0.25
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	12	0.25
(2,2957)	1:79:A:MET:HG2	1:80:A:LYS:H	20	0.25
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	4	0.25
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	17	0.25
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	19	0.25
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	4	0.25
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	9	0.25
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	14	0.25
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	16	0.25
(2,2782)	1:158:A:PRO:HG3	1:159:A:ASN:H	16	0.25
(2,2735)	1:34:A:PRO:HG3	1:34:A:PRO:HB2	18	0.25
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	8	0.25
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	6	0.25
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	2	0.25
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	7	0.25
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	19	0.25
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	4	0.25
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	9	0.25
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	12	0.25
(2,2413)	1:49:A:PRO:HA	1:49:A:PRO:HB2	13	0.25
(2,2353)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	8	0.25
(2,2298)	1:121:A:GLN:HG2	1:121:A:GLN:HA	11	0.25
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	16	0.25
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	9	0.25
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	14	0.25
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	8	0.25
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	10	0.25
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	2	0.25
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	8	0.25
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	3	0.25
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	20	0.25
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	10	0.25
(2,2156)	1:162:A:ARG:HB3	1:162:A:ARG:HD2	17	0.25
(2,2066)	1:105:A:ARG:HB2	1:105:A:ARG:HD3	6	0.25
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	5	0.25
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	11	0.25
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	14	0.25
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	1	0.25
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	2	0.25
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	3	0.25
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	4	0.25
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	10	0.25
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	13	0.25
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	15	0.25
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	18	0.25
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	3	0.25
(2,1839)	1:46:A:ILE:HD11	1:47:A:VAL:H	9	0.25
(2,1839)	1:46:A:ILE:HD12	1:47:A:VAL:H	9	0.25
(2,1839)	1:46:A:ILE:HD13	1:47:A:VAL:H	9	0.25
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	1	0.25
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	1	0.25
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	1	0.25
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	9	0.25
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	12	0.25
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	16	0.25
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	17	0.25
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	3	0.25
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	5	0.25
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	19	0.25
(2,1500)	1:130:A:ASN:HB2	1:129:A:ASN:H	14	0.25
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	2	0.25
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	3	0.25
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	4	0.25
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	8	0.25
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	13	0.25
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	16	0.25
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	20	0.25
(2,1416)	1:162:A:ARG:HD2	1:162:A:ARG:H	5	0.25
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	4	0.25
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	10	0.25
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	12	0.25
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	9	0.25
(2,1366)	1:102:A:ASN:HA	1:102:A:ASN:HB2	19	0.25
(2,1337)	1:129:A:ASN:HB3	1:129:A:ASN:HD22	9	0.25
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	2	0.25
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	4	0.25
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	5	0.25
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	20	0.25
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	11	0.25
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD21	6	0.25
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD22	6	0.25
(2,1152)	1:103:A:ARG:HG2	1:116:A:LEU:HD23	6	0.25
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	1	0.25
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	1	0.25
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	1	0.25
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE1	10	0.25
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE2	10	0.25
(2,1135)	1:79:A:MET:HA	1:79:A:MET:HE3	10	0.25
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	6	0.25
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	8	0.25
(2,1104)	1:71:A:THR:HA	1:81:A:THR:HB	12	0.25
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	7	0.25
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	7	0.25
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	7	0.25
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	20	0.25
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	20	0.25
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	20	0.25
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	4	0.25
(2,930)	1:23:A:ARG:HD3	1:24:A:ILE:H	16	0.25
(2,923)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	1	0.25
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	10	0.25
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	14	0.25
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	18	0.25
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	17	0.25
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	19	0.25
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	2	0.25
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	9	0.25
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	15	0.25
(2,718)	1:34:A:PRO:HB2	1:34:A:PRO:HA	18	0.25
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	15	0.25
(2,581)	1:162:A:ARG:HD3	1:162:A:ARG:H	6	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	1	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	3	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	4	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	5	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	6	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	8	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	9	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	10	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	12	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	14	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	15	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	16	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	17	0.25
(2,519)	1:105:A:ARG:HB2	1:105:A:ARG:HG2	20	0.25
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	14	0.25
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	14	0.25
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	14	0.25
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	20	0.25
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	20	0.25
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	20	0.25
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	15	0.25
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	15	0.25
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	15	0.25
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	16	0.25
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	16	0.25
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	16	0.25
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	17	0.25
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	17	0.25
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	17	0.25
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	2	0.25
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	2	0.25
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	2	0.25
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	6	0.25
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	6	0.25
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	6	0.25
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	15	0.25
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	1	0.25
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	1	0.25
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	1	0.25
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	5	0.25
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	5	0.25
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	5	0.25
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	8	0.25
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	8	0.25
(2,166)	1:89:A:ILE:HG13	1:89:A:ILE:H	5	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	1	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	1	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	1	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	4	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	4	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	4	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	5	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	5	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	5	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	6	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	6	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	6	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	7	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	7	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	7	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	9	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	9	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	9	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	10	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	10	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	10	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	11	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	11	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	11	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	12	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	12	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	12	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	13	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	13	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	13	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	14	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	14	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	14	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	17	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	17	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	17	0.25
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	19	0.25
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	19	0.25
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	2	0.25
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	6	0.25
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	8	0.25
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	18	0.25
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD11	7	0.25
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD12	7	0.25
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD13	7	0.25
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD11	7	0.25
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD12	7	0.25
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD13	7	0.25
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD11	7	0.25
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD12	7	0.25
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD13	7	0.25
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	4	0.25
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	4	0.25
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	4	0.25
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	5	0.24
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	7	0.24
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	2	0.24
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	17	0.24
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	18	0.24
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	6	0.24
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	16	0.24
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	20	0.24
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	2	0.24
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	16	0.24
(4,1470)	1:43:A:GLY:HA2	1:43:A:GLY:H	6	0.24
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	14	0.24
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	18	0.24
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	6	0.24
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	6	0.24
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	6	0.24
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	18	0.24
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	18	0.24
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	18	0.24
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	5	0.24
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	13	0.24
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	15	0.24
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	17	0.24
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD11	17	0.24
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD12	17	0.24
(4,1354)	1:65:A:ILE:H	1:65:A:ILE:HD13	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	4	0.24
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	4	0.24
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	4	0.24
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	1	0.24
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	2	0.24
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	5	0.24
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	7	0.24
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	9	0.24
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	2	0.24
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	2	0.24
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	2	0.24
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	15	0.24
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	7	0.24
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	16	0.24
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	4	0.24
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	6	0.24
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	13	0.24
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	15	0.24
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	8	0.24
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	14	0.24
(4,1242)	1:100:A:ILE:H	1:100:A:ILE:HA	20	0.24
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	8	0.24
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	11	0.24
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	19	0.24
(4,1227)	1:111:A:PHE:HA	1:112:A:GLY:H	1	0.24
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	12	0.24
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	12	0.24
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	12	0.24
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	15	0.24
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	15	0.24
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	15	0.24
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	3	0.24
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG21	20	0.24
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG22	20	0.24
(4,1171)	1:101:A:ILE:H	1:100:A:ILE:HG23	20	0.24
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	1	0.24
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	4	0.24
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	6	0.24
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	10	0.24
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	12	0.24
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	15	0.24
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	2	0.24
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	5	0.24
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	7	0.24
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	15	0.24
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	18	0.24
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	20	0.24
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	19	0.24
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	6	0.24
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	18	0.24
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	4	0.24
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	7	0.24
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	12	0.24
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	14	0.24
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	15	0.24
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	19	0.24
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	20	0.24
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	4	0.24
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	14	0.24
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	18	0.24
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	14	0.24
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	18	0.24
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	4	0.24
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	20	0.24
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	4	0.24
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	19	0.24
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	20	0.24
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	1	0.24
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	5	0.24
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	7	0.24
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	12	0.24
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	14	0.24
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	17	0.24
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	20	0.24
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	13	0.24
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	17	0.24
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	20	0.24
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	5	0.24
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	5	0.24
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	5	0.24
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	17	0.24
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	12	0.24
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	12	0.24
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	12	0.24
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	12	0.24
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	12	0.24
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	7	0.24
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	6	0.24
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	4	0.24
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	4	0.24
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	4	0.24
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	6	0.24
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	6	0.24
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	6	0.24
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	20	0.24
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	20	0.24
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	20	0.24
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	11	0.24
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	11	0.24
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	12	0.24
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	8	0.24
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	8	0.24
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	8	0.24
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	1	0.24
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	2	0.24
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	6	0.24
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	9	0.24
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	12	0.24
(4,771)	1:44:A:GLN:HE21	1:44:A:GLN:HE22	15	0.24
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	14	0.24
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	12	0.24
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	12	0.24
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	20	0.24
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	10	0.24
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	12	0.24
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	12	0.24
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	12	0.24
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	4	0.24
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	10	0.24
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	11	0.24
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	9	0.24
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	9	0.24
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	9	0.24
(4,592)	1:28:A:ALA:HB1	1:28:A:ALA:H	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,592)	1:28:A:ALA:HB2	1:28:A:ALA:H	5	0.24
(4,592)	1:28:A:ALA:HB3	1:28:A:ALA:H	5	0.24
(4,590)	1:147:A:ASN:HB2	1:147:A:ASN:H	4	0.24
(4,590)	1:147:A:ASN:HB2	1:147:A:ASN:H	17	0.24
(4,590)	1:147:A:ASN:HB2	1:147:A:ASN:H	20	0.24
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	17	0.24
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	2	0.24
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	17	0.24
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	2	0.24
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	9	0.24
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	11	0.24
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	14	0.24
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	15	0.24
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	17	0.24
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	20	0.24
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	14	0.24
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	12	0.24
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	1	0.24
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	5	0.24
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	8	0.24
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	6	0.24
(4,490)	1:37:A:GLN:H	1:37:A:GLN:HB2	17	0.24
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	3	0.24
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	4	0.24
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	5	0.24
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	12	0.24
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	18	0.24
(4,457)	1:61:A:ILE:HD11	1:62:A:ALA:H	11	0.24
(4,457)	1:61:A:ILE:HD12	1:62:A:ALA:H	11	0.24
(4,457)	1:61:A:ILE:HD13	1:62:A:ALA:H	11	0.24
(4,440)	1:35:A:SER:HB3	1:35:A:SER:H	19	0.24
(4,433)	1:162:A:ARG:HB3	1:162:A:ARG:H	14	0.24
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	5	0.24
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	18	0.24
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	14	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	2	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	2	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	2	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	6	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	6	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	6	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	7	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	7	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	19	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	19	0.24
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	19	0.24
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	13	0.24
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	20	0.24
(4,344)	1:128:A:THR:HA	1:128:A:THR:H	6	0.24
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	1	0.24
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	19	0.24
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	9	0.24
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	10	0.24
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	6	0.24
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	6	0.24
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	6	0.24
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	18	0.24
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	18	0.24
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	17	0.24
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	11	0.24
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	1	0.24
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	2	0.24
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	3	0.24
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	11	0.24
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	13	0.24
(4,220)	1:11:A:GLN:HB2	1:11:A:GLN:H	6	0.24
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	7	0.24
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	20	0.24
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	10	0.24
(4,70)	1:60:A:HIS:HB3	1:61:A:ILE:H	15	0.24
(4,62)	1:56:A:THR:H	1:55:A:TYR:HB2	20	0.24
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	4	0.24
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	10	0.24
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	11	0.24
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	8	0.24
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	7	0.24
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	7	0.24
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	7	0.24
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	7	0.24
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	7	0.24
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	7	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	1	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	1	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	1	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	1	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	1	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	1	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	1	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	2	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	2	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	2	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	2	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	2	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	2	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	2	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	2	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	3	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	3	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	3	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	3	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	3	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	3	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	3	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	3	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	4	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	4	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	4	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	4	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	4	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	4	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	4	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	4	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	6	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	6	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	6	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	6	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	6	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	6	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	6	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	6	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	7	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	7	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	7	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	7	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	7	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	7	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	7	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	8	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	8	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	8	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	8	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	8	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	8	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	8	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	8	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	9	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	9	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	9	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	9	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	9	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	9	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	9	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	9	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	10	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	10	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	10	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	10	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	10	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	10	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	10	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	10	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	11	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	11	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	11	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	11	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	11	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	11	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	11	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	11	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	12	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	12	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	12	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	12	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	12	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	12	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	12	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	13	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	13	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	13	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	13	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	13	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	13	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	13	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	13	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	14	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	14	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	14	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	14	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	14	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	14	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	14	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	14	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	15	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	15	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	15	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	15	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	15	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	15	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	15	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	15	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	16	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	16	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	16	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	16	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	16	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	16	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	16	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	16	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	17	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	17	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	17	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	17	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	17	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	17	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	17	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	18	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	18	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	18	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	18	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	18	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	18	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	18	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	18	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	19	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	19	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	19	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	19	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	19	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	19	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	19	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	19	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	20	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	20	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	20	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	20	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE1	20	0.24
(3,22)	1:55:A:TYR:HD1	1:55:A:TYR:HE2	20	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE1	20	0.24
(3,22)	1:55:A:TYR:HD2	1:55:A:TYR:HE2	20	0.24
(2,3180)	1:152:A:GLU:HG3	1:152:A:GLU:HA	15	0.24
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	7	0.24
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	19	0.24
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	11	0.24
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	17	0.24
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	1	0.24
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	3	0.24
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	6	0.24
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	7	0.24
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	10	0.24
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	11	0.24
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	13	0.24
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	14	0.24
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	15	0.24
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	16	0.24
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	20	0.24
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	5	0.24
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	10	0.24
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	18	0.24
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	12	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	1	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	3	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	4	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	5	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	6	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	8	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	9	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	10	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	12	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	15	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	16	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	18	0.24
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	19	0.24
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	2	0.24
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	12	0.24
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	17	0.24
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	4	0.24
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	18	0.24
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	19	0.24
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	18	0.24
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	19	0.24
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	1	0.24
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	18	0.24
(2,2234)	1:98:A:PHE:H	1:97:A:GLU:HG3	9	0.24
(2,2171)	1:90:A:LEU:HA	1:90:A:LEU:HG	5	0.24
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	16	0.24
(2,2012)	1:148:A:LYS:HA	1:148:A:LYS:HG3	11	0.24
(2,1993)	1:75:A:ASN:HB3	1:75:A:ASN:HD22	9	0.24
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	6	0.24
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	7	0.24
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	8	0.24
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	16	0.24
(2,1963)	1:52:A:PRO:HG3	1:52:A:PRO:HA	17	0.24
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	1	0.24
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	2	0.24
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	12	0.24
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	16	0.24
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	16	0.24
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	16	0.24
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	4	0.24
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	5	0.24
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	7	0.24
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	18	0.24
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	20	0.24
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	3	0.24
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	6	0.24
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	1	0.24
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	2	0.24
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	3	0.24
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	8	0.24
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	14	0.24
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	15	0.24
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	17	0.24
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	17	0.24
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	9	0.24
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	15	0.24
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	18	0.24
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	7	0.24
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	8	0.24
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	5	0.24
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	6	0.24
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	15	0.24
(2,1325)	1:80:A:LYS:HG2	1:80:A:LYS:HA	14	0.24
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	3	0.24
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	5	0.24
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	20	0.24
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	10	0.24
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	13	0.24
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	19	0.24
(2,1194)	1:51:A:LEU:HB3	1:51:A:LEU:HG	20	0.24
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	2	0.24
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	3	0.24
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	5	0.24
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	7	0.24
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	9	0.24
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	12	0.24
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	16	0.24
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	19	0.24
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	17	0.24
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	17	0.24
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	17	0.24
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	10	0.24
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	11	0.24
(2,930)	1:23:A:ARG:HD3	1:24:A:ILE:H	2	0.24
(2,930)	1:23:A:ARG:HD3	1:24:A:ILE:H	5	0.24
(2,915)	1:131:A:PRO:HA	1:131:A:PRO:HG3	6	0.24
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	6	0.24
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	18	0.24
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	17	0.24
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	17	0.24
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	17	0.24
(2,591)	1:31:A:GLN:HG2	1:31:A:GLN:HB3	8	0.24
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	5	0.24
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	8	0.24
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	9	0.24
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	11	0.24
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	7	0.24
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	7	0.24
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	7	0.24
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	11	0.24
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	11	0.24
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	11	0.24
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	3	0.24
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	3	0.24
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	3	0.24
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	3	0.24
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	8	0.24
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	8	0.24
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	8	0.24
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	15	0.24
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	15	0.24
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	15	0.24
(2,155)	1:101:A:ILE:HD11	1:101:A:ILE:HA	20	0.24
(2,155)	1:101:A:ILE:HD12	1:101:A:ILE:HA	20	0.24
(2,155)	1:101:A:ILE:HD13	1:101:A:ILE:HA	20	0.24
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	7	0.24
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	10	0.24
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	12	0.24
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	16	0.24
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	20	0.24
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	2	0.24
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	2	0.24
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	13	0.24
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	13	0.24
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	13	0.24
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	17	0.24
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	17	0.24
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	17	0.24
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	14	0.24
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	14	0.24
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	14	0.24
(4,1559)	1:131:A:PRO:HG3	1:132:A:ALA:H	12	0.23
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	13	0.23
(4,1537)	1:120:A:LYS:HD3	1:120:A:LYS:H	12	0.23
(4,1530)	1:167:A:ARG:HG3	1:167:A:ARG:H	3	0.23
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	1	0.23
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	14	0.23
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	8	0.23
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	5	0.23
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	13	0.23
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	6	0.23
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	9	0.23
(4,1452)	1:168:A:GLY:HA3	1:168:A:GLY:H	6	0.23
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	11	0.23
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	11	0.23
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	11	0.23
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	12	0.23
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	12	0.23
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	12	0.23
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	16	0.23
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	16	0.23
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	16	0.23
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	9	0.23
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	12	0.23
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	16	0.23
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	16	0.23
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	16	0.23
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	16	0.23
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	20	0.23
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	20	0.23
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	20	0.23
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	10	0.23
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	13	0.23
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	6	0.23
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	15	0.23
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	16	0.23
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	4	0.23
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	10	0.23
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	13	0.23
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	5	0.23
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	17	0.23
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	3	0.23
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	20	0.23
(4,1240)	1:97:A:GLU:HB2	1:97:A:GLU:H	9	0.23
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	5	0.23
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	5	0.23
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	5	0.23
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	2	0.23
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	3	0.23
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	8	0.23
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	9	0.23
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	13	0.23
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	14	0.23
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	17	0.23
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	16	0.23
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	3	0.23
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	5	0.23
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	8	0.23
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	16	0.23
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	19	0.23
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	7	0.23
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	17	0.23
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	5	0.23
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	10	0.23
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	15	0.23
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	1	0.23
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	2	0.23
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	3	0.23
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	5	0.23
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	6	0.23
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	8	0.23
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	9	0.23
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	13	0.23
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	17	0.23
(4,1110)	1:165:A:ILE:H	1:165:A:ILE:HA	18	0.23
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	20	0.23
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	9	0.23
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	10	0.23
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	13	0.23
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	1	0.23
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	6	0.23
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	9	0.23
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	10	0.23
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	12	0.23
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	13	0.23
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	16	0.23
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	11	0.23
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	17	0.23
(4,1016)	1:15:A:LEU:HD21	1:26:A:THR:H	12	0.23
(4,1016)	1:15:A:LEU:HD22	1:26:A:THR:H	12	0.23
(4,1016)	1:15:A:LEU:HD23	1:26:A:THR:H	12	0.23
(4,1010)	1:79:A:MET:H	1:79:A:MET:HG2	11	0.23
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	2	0.23
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	9	0.23
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	10	0.23
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	13	0.23
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	15	0.23
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	18	0.23
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	19	0.23
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	1	0.23
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	5	0.23
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	16	0.23
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	18	0.23
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	19	0.23
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	2	0.23
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	2	0.23
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	2	0.23
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	19	0.23
(4,901)	1:108:A:GLY:H	1:107:A:PRO:HB3	12	0.23
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	3	0.23
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	3	0.23
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	3	0.23
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	3	0.23
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	3	0.23
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	13	0.23
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	13	0.23
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	13	0.23
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	13	0.23
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	13	0.23
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	13	0.23
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	15	0.23
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	5	0.23
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	5	0.23
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	5	0.23
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	14	0.23
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	14	0.23
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	14	0.23
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	2	0.23
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	6	0.23
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	9	0.23
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	12	0.23
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	13	0.23
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	18	0.23
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	19	0.23
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	10	0.23
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	10	0.23
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	10	0.23
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	12	0.23
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	12	0.23
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	12	0.23
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	18	0.23
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	18	0.23
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	18	0.23
(4,764)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	20	0.23
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	10	0.23
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	20	0.23
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	12	0.23
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	1	0.23
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	7	0.23
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	1	0.23
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	1	0.23
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	1	0.23
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	10	0.23
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	10	0.23
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	8	0.23
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	18	0.23
(4,648)	1:111:A:PHE:HB2	1:112:A:GLY:H	11	0.23
(4,613)	1:52:A:PRO:HA	1:53:A:ASP:H	11	0.23
(4,589)	1:10:A:LYS:HD3	1:11:A:GLN:H	8	0.23
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	3	0.23
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	10	0.23
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	20	0.23
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	16	0.23
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	3	0.23
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	3	0.23
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	7	0.23
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	4	0.23
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	1	0.23
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	9	0.23
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	10	0.23
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	19	0.23
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	2	0.23
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	8	0.23
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	4	0.23
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	20	0.23
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	1	0.23
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	5	0.23
(4,433)	1:162:A:ARG:HB3	1:162:A:ARG:H	5	0.23
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	2	0.23
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	13	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	1	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	1	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	1	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	4	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	4	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	4	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	10	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	10	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	10	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	16	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	16	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	16	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	20	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	20	0.23
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	20	0.23
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	11	0.23
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	17	0.23
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	18	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	2	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	3	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	4	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	5	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	7	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	8	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	9	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	10	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	11	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	12	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	13	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	14	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	15	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	16	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	17	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	18	0.23
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	20	0.23
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	6	0.23
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	11	0.23
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	13	0.23
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	2	0.23
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	8	0.23
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	15	0.23
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	16	0.23
(4,246)	1:103:A:ARG:H	1:102:A:ASN:HB2	10	0.23
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	12	0.23
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	13	0.23
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	17	0.23
(4,243)	1:3:A:LYS:H	1:2:A:ARG:HG3	6	0.23
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	5	0.23
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	8	0.23
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	9	0.23
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	10	0.23
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	12	0.23
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	16	0.23
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	17	0.23
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	11	0.23
(4,176)	1:133:A:SER:HB3	1:134:A:ILE:H	18	0.23
(4,124)	1:60:A:HIS:H	1:60:A:HIS:HB2	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	4	0.23
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	6	0.23
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	9	0.23
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	1	0.23
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	5	0.23
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	9	0.23
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	16	0.23
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	18	0.23
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	18	0.23
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	1	0.23
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	2	0.23
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	18	0.23
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	6	0.23
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	6	0.23
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	6	0.23
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	6	0.23
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	6	0.23
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	6	0.23
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	8	0.23
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	8	0.23
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	8	0.23
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	8	0.23
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	8	0.23
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	8	0.23
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	17	0.23
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	2	0.23
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	9	0.23
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	16	0.23
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	5	0.23
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	17	0.23
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	1	0.23
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	2	0.23
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	5	0.23
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	8	0.23
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	9	0.23
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	12	0.23
(2,2867)	1:106:A:ASN:HB3	1:106:A:ASN:HD22	18	0.23
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	12	0.23
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	17	0.23
(2,2805)	1:144:A:ARG:HD3	1:144:A:ARG:HA	16	0.23
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	1	0.23
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	18	0.23
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	12	0.23
(2,2635)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	13	0.23
(2,2578)	1:80:A:LYS:HB3	1:80:A:LYS:HE3	9	0.23
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	6	0.23
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	1	0.23
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	2	0.23
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	8	0.23
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	17	0.23
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	14	0.23
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	14	0.23
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	14	0.23
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	7	0.23
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	13	0.23
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	14	0.23
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	15	0.23
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	18	0.23
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	3	0.23
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	3	0.23
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	19	0.23
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	15	0.23
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	7	0.23
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	8	0.23
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	11	0.23
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	14	0.23
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	18	0.23
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	20	0.23
(2,1826)	1:167:A:ARG:HG3	1:167:A:ARG:HA	19	0.23
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	3	0.23
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	3	0.23
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	3	0.23
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	14	0.23
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	9	0.23
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	2	0.23
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	8	0.23
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	11	0.23
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	15	0.23
(2,1619)	1:72:A:LEU:HB2	1:80:A:LYS:H	14	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	1	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	2	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	4	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	9	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	10	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	11	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	12	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	13	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	14	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	16	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	17	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	18	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	19	0.23
(2,1558)	1:31:A:GLN:HG2	1:31:A:GLN:HB2	20	0.23
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	6	0.23
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	9	0.23
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	10	0.23
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	11	0.23
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	12	0.23
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	18	0.23
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	20	0.23
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	12	0.23
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	19	0.23
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	13	0.23
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	1	0.23
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	3	0.23
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	6	0.23
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	9	0.23
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	11	0.23
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	15	0.23
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	18	0.23
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	15	0.23
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	18	0.23
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	7	0.23
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	8	0.23
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	10	0.23
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	12	0.23
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	14	0.23
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	17	0.23
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	19	0.23
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	1	0.23
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	2	0.23
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	7	0.23
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	17	0.23
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	7	0.23
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	20	0.23
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	20	0.23
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	20	0.23
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	1	0.23
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	3	0.23
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	5	0.23
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	11	0.23
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	14	0.23
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	17	0.23
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	10	0.23
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	19	0.23
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	15	0.23
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	15	0.23
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	15	0.23
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG21	19	0.23
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG22	19	0.23
(2,1087)	1:6:A:THR:HA	1:47:A:VAL:HG23	19	0.23
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	4	0.23
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	10	0.23
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	14	0.23
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	15	0.23
(2,824)	1:16:A:ASN:H	1:15:A:LEU:HB2	15	0.23
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	7	0.23
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	18	0.23
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	18	0.23
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	18	0.23
(2,325)	1:94:A:PRO:HA	1:95:A:THR:H	5	0.23
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	11	0.23
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	11	0.23
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	11	0.23
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	18	0.23
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	18	0.23
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	18	0.23
(2,192)	1:15:A:LEU:HD11	1:15:A:LEU:HA	4	0.23
(2,192)	1:15:A:LEU:HD12	1:15:A:LEU:HA	4	0.23
(2,192)	1:15:A:LEU:HD13	1:15:A:LEU:HA	4	0.23
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	1	0.23
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	4	0.23
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	14	0.23
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	20	0.23
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	10	0.23
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	10	0.23
(1,34)	1:5:A:LEU:HD11	1:48:A:ILE:HG12	10	0.23
(1,34)	1:5:A:LEU:HD12	1:48:A:ILE:HG12	10	0.23
(1,34)	1:5:A:LEU:HD13	1:48:A:ILE:HG12	10	0.23
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	11	0.23
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	11	0.23
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	11	0.23
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	8	0.23
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	8	0.23
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	8	0.23
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	8	0.23
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	8	0.23
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	8	0.23
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	8	0.22
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	11	0.22
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	19	0.22
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	10	0.22
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	13	0.22
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	14	0.22
(4,1520)	1:125:A:ILE:H	1:125:A:ILE:HG12	20	0.22
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	18	0.22
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	11	0.22
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	12	0.22
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	18	0.22
(4,1510)	1:48:A:ILE:H	1:47:A:VAL:HA	1	0.22
(4,1504)	1:92:A:GLN:HG2	1:93:A:THR:H	1	0.22
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	11	0.22
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	13	0.22
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	3	0.22
(4,1380)	1:72:A:LEU:HD11	1:73:A:SER:H	19	0.22
(4,1380)	1:72:A:LEU:HD12	1:73:A:SER:H	19	0.22
(4,1380)	1:72:A:LEU:HD13	1:73:A:SER:H	19	0.22
(4,1361)	1:160:A:GLY:H	1:159:A:ASN:HA	19	0.22
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	2	0.22
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	12	0.22
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	8	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	1	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	1	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	1	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	3	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	3	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	13	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	13	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	13	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	14	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	14	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	14	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	17	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	17	0.22
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	17	0.22
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	3	0.22
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	19	0.22
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	4	0.22
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	12	0.22
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	14	0.22
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	15	0.22
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	18	0.22
(4,1253)	1:106:A:ASN:HB2	1:106:A:ASN:H	14	0.22
(4,1248)	1:103:A:ARG:HD3	1:104:A:GLN:H	20	0.22
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	5	0.22
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	6	0.22
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	10	0.22
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	13	0.22
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	19	0.22
(4,1227)	1:111:A:PHE:HA	1:112:A:GLY:H	2	0.22
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	4	0.22
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	4	0.22
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	4	0.22
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	16	0.22
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	16	0.22
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	16	0.22
(4,1211)	1:153:A:LEU:HB2	1:153:A:LEU:H	14	0.22
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	1	0.22
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	11	0.22
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	20	0.22
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	10	0.22
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	5	0.22
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	11	0.22
(4,1170)	1:77:A:ARG:HA	1:78:A:VAL:H	16	0.22
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	3	0.22
(4,1157)	1:121:A:GLN:HB2	1:121:A:GLN:H	20	0.22
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	1	0.22
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	4	0.22
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	1	0.22
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	7	0.22
(4,1146)	1:150:A:VAL:HB	1:150:A:VAL:H	15	0.22
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	12	0.22
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	17	0.22
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	19	0.22
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	1	0.22
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	6	0.22
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	10	0.22
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	16	0.22
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	7	0.22
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	8	0.22
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	16	0.22
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	19	0.22
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	2	0.22
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	3	0.22
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	4	0.22
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	7	0.22
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	8	0.22
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	11	0.22
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	15	0.22
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	17	0.22
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	19	0.22
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	7	0.22
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	13	0.22
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	19	0.22
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	11	0.22
(4,1016)	1:15:A:LEU:HD21	1:26:A:THR:H	7	0.22
(4,1016)	1:15:A:LEU:HD22	1:26:A:THR:H	7	0.22
(4,1016)	1:15:A:LEU:HD23	1:26:A:THR:H	7	0.22
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	6	0.22
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	3	0.22
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	1	0.22
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	1	0.22
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	1	0.22
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	1	0.22
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	1	0.22
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	1	0.22
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	19	0.22
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	9	0.22
(4,895)	1:74:A:LEU:HD11	1:75:A:ASN:H	2	0.22
(4,895)	1:74:A:LEU:HD12	1:75:A:ASN:H	2	0.22
(4,895)	1:74:A:LEU:HD13	1:75:A:ASN:H	2	0.22
(4,879)	1:34:A:PRO:HG2	1:35:A:SER:H	12	0.22
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	5	0.22
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	2	0.22
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	2	0.22
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	2	0.22
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	14	0.22
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	14	0.22
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	14	0.22
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	17	0.22
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	17	0.22
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	17	0.22
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	3	0.22
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	3	0.22
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	3	0.22
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	15	0.22
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	15	0.22
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	15	0.22
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	1	0.22
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	4	0.22
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	11	0.22
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	16	0.22
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	17	0.22
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	19	0.22
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	5	0.22
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	6	0.22
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	7	0.22
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	14	0.22
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	15	0.22
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	1	0.22
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	4	0.22
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	8	0.22
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	15	0.22
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	16	0.22
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	18	0.22
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	4	0.22
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	7	0.22
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	18	0.22
(4,777)	1:29:A:LEU:HD21	1:30:A:LEU:H	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,777)	1:29:A:LEU:HD22	1:30:A:LEU:H	15	0.22
(4,777)	1:29:A:LEU:HD23	1:30:A:LEU:H	15	0.22
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	8	0.22
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	2	0.22
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	2	0.22
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	2	0.22
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	4	0.22
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	4	0.22
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	4	0.22
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	7	0.22
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	7	0.22
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	7	0.22
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	8	0.22
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	8	0.22
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	8	0.22
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	18	0.22
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	18	0.22
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	18	0.22
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	19	0.22
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	19	0.22
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	19	0.22
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	12	0.22
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	12	0.22
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	12	0.22
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	16	0.22
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	13	0.22
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	13	0.22
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	13	0.22
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	18	0.22
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG21	6	0.22
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG22	6	0.22
(4,610)	1:46:A:ILE:H	1:46:A:ILE:HG23	6	0.22
(4,595)	1:13:A:ASP:HB3	1:13:A:ASP:H	11	0.22
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	14	0.22
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	5	0.22
(4,578)	1:97:A:GLU:H	1:96:A:GLY:HA3	19	0.22
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	11	0.22
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	11	0.22
(4,570)	1:75:A:ASN:HA	1:75:A:ASN:H	3	0.22
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	1	0.22
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	3	0.22
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,518)	1:84:A:ILE:HG13	1:85:A:ALA:H	14	0.22
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	6	0.22
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	5	0.22
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	13	0.22
(4,488)	1:59:A:TYR:H	1:59:A:TYR:HA	17	0.22
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	3	0.22
(4,462)	1:144:A:ARG:HD2	1:145:A:MET:H	18	0.22
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	11	0.22
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	18	0.22
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	17	0.22
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	19	0.22
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	5	0.22
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	11	0.22
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	20	0.22
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	10	0.22
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	12	0.22
(4,325)	1:7:A:TYR:H	1:7:A:TYR:HA	6	0.22
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	3	0.22
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	5	0.22
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	14	0.22
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	8	0.22
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	8	0.22
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	8	0.22
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	4	0.22
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	18	0.22
(4,246)	1:103:A:ARG:H	1:102:A:ASN:HB2	2	0.22
(4,246)	1:103:A:ARG:H	1:102:A:ASN:HB2	4	0.22
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	10	0.22
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	15	0.22
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	19	0.22
(4,233)	1:111:A:PHE:H	1:111:A:PHE:HA	20	0.22
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	2	0.22
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	13	0.22
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	14	0.22
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	20	0.22
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	17	0.22
(4,214)	1:99:A:TYR:HB3	1:100:A:ILE:H	20	0.22
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	7	0.22
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	5	0.22
(4,147)	1:61:A:ILE:HG13	1:62:A:ALA:H	16	0.22
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	11	0.22
(4,87)	1:80:A:LYS:HD2	1:80:A:LYS:H	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,81)	1:10:A:LYS:HE2	1:11:A:GLN:H	17	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	1	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	5	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	7	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	8	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	11	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	12	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	13	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	14	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	15	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	16	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	18	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	19	0.22
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	20	0.22
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	13	0.22
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	20	0.22
(4,62)	1:56:A:THR:H	1:55:A:TYR:HB2	12	0.22
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	2	0.22
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	10	0.22
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	17	0.22
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	19	0.22
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	1	0.22
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	3	0.22
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	12	0.22
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	20	0.22
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	13	0.22
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	5	0.22
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	13	0.22
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	5	0.22
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	5	0.22
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	5	0.22
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	5	0.22
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	5	0.22
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	5	0.22
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	10	0.22
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	3	0.22
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	12	0.22
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	18	0.22
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	19	0.22
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	20	0.22
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	10	0.22
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	15	0.22
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	5	0.22
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	13	0.22
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	17	0.22
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	19	0.22
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	20	0.22
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	1	0.22
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	9	0.22
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	10	0.22
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	11	0.22
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	1	0.22
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	3	0.22
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	9	0.22
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	10	0.22
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	20	0.22
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	6	0.22
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	8	0.22
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	9	0.22
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	11	0.22
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	8	0.22
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	10	0.22
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	19	0.22
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	6	0.22
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	4	0.22
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	5	0.22
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	5	0.22
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	19	0.22
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	1	0.22
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	3	0.22
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	5	0.22
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	7	0.22
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	8	0.22
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	10	0.22
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	12	0.22
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	13	0.22
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	15	0.22
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	16	0.22
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	19	0.22
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	17	0.22
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	6	0.22
(2,1915)	1:58:A:PRO:HG3	1:58:A:PRO:HA	15	0.22
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	1	0.22
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	3	0.22
(2,1694)	1:158:A:PRO:HD3	1:158:A:PRO:HB2	6	0.22
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	7	0.22
(2,1632)	1:80:A:LYS:HG2	1:80:A:LYS:HE3	3	0.22
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	6	0.22
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	13	0.22
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	14	0.22
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	18	0.22
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	20	0.22
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	7	0.22
(2,1535)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	19	0.22
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	4	0.22
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	6	0.22
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	16	0.22
(2,1510)	1:107:A:PRO:HG3	1:107:A:PRO:HA	20	0.22
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	16	0.22
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	2	0.22
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	5	0.22
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	10	0.22
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	13	0.22
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	14	0.22
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	15	0.22
(2,1288)	1:140:A:LYS:HB3	1:140:A:LYS:HD3	3	0.22
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	1	0.22
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	9	0.22
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	11	0.22
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	13	0.22
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	15	0.22
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	3	0.22
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	4	0.22
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	6	0.22
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	12	0.22
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	14	0.22
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	15	0.22
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	16	0.22
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	18	0.22
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	1	0.22
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	3	0.22
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	4	0.22
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	5	0.22
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	8	0.22
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	9	0.22
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	10	0.22
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	12	0.22
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	15	0.22
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	16	0.22
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	18	0.22
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	19	0.22
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	7	0.22
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	10	0.22
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	2	0.22
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	6	0.22
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	7	0.22
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	8	0.22
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	9	0.22
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	10	0.22
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	13	0.22
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	19	0.22
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	20	0.22
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	7	0.22
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	13	0.22
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	17	0.22
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	18	0.22
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	18	0.22
(2,1074)	1:167:A:ARG:HB3	1:167:A:ARG:HG3	17	0.22
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	1	0.22
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	2	0.22
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	9	0.22
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	12	0.22
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	13	0.22
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	16	0.22
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	17	0.22
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	14	0.22
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	5	0.22
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	6	0.22
(2,613)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	12	0.22
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	9	0.22
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	17	0.22
(2,490)	1:11:A:GLN:HG2	1:12:A:GLY:H	7	0.22
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD11	4	0.22
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD12	4	0.22
(2,477)	1:80:A:LYS:HB2	1:72:A:LEU:HD13	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,461)	1:11:A:GLN:HB3	1:11:A:GLN:H	6	0.22
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	10	0.22
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	10	0.22
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	10	0.22
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	16	0.22
(2,143)	1:65:A:ILE:HG12	1:65:A:ILE:HA	15	0.22
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	8	0.22
(1,44)	1:118:A:LEU:HD11	1:123:A:TYR:HB3	16	0.22
(1,44)	1:118:A:LEU:HD12	1:123:A:TYR:HB3	16	0.22
(1,44)	1:118:A:LEU:HD13	1:123:A:TYR:HB3	16	0.22
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	9	0.22
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	9	0.22
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	9	0.22
(1,31)	1:118:A:LEU:HD11	1:123:A:TYR:HB2	20	0.22
(1,31)	1:118:A:LEU:HD12	1:123:A:TYR:HB2	20	0.22
(1,31)	1:118:A:LEU:HD13	1:123:A:TYR:HB2	20	0.22
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD11	12	0.22
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD12	12	0.22
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD13	12	0.22
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD11	20	0.22
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD12	20	0.22
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD13	20	0.22
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	7	0.22
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	7	0.22
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	7	0.22
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	17	0.22
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	17	0.22
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	17	0.22
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	17	0.22
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	17	0.22
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	17	0.22
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	12	0.22
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	12	0.22
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	12	0.22
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	1	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	2	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	3	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	4	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	5	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	6	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	7	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	9	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	10	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	11	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	12	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	13	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	14	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	15	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	16	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	17	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	18	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	19	0.21
(4,1547)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	20	0.21
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	12	0.21
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	12	0.21
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	13	0.21
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	3	0.21
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	7	0.21
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	10	0.21
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	15	0.21
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	19	0.21
(4,1401)	1:79:A:MET:HE1	1:80:A:LYS:H	4	0.21
(4,1401)	1:79:A:MET:HE2	1:80:A:LYS:H	4	0.21
(4,1401)	1:79:A:MET:HE3	1:80:A:LYS:H	4	0.21
(4,1393)	1:10:A:LYS:HE3	1:11:A:GLN:H	1	0.21
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	19	0.21
(4,1292)	1:116:A:LEU:HG	1:117:A:SER:H	16	0.21
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	3	0.21
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	4	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	10	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	10	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	10	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	12	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	12	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	12	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	15	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	15	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	15	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	16	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	16	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	16	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	20	0.21
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	20	0.21
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	1	0.21
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	12	0.21
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	1	0.21
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	2	0.21
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	8	0.21
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	9	0.21
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	17	0.21
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	2	0.21
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	4	0.21
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	9	0.21
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	1	0.21
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	9	0.21
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	14	0.21
(4,1238)	1:37:A:GLN:HG2	1:38:A:ALA:H	6	0.21
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	3	0.21
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	3	0.21
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	3	0.21
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	17	0.21
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	17	0.21
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	17	0.21
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	18	0.21
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	18	0.21
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	18	0.21
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	19	0.21
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	19	0.21
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	19	0.21
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	4	0.21
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	5	0.21
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	7	0.21
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	8	0.21
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	10	0.21
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	12	0.21
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	15	0.21
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	17	0.21
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	18	0.21
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	19	0.21
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	5	0.21
(4,1203)	1:162:A:ARG:HD3	1:163:A:VAL:H	17	0.21
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	9	0.21
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	5	0.21
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	3	0.21
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	7	0.21
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	18	0.21
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	4	0.21
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	12	0.21
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	4	0.21
(4,1130)	1:121:A:GLN:HB3	1:121:A:GLN:H	11	0.21
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	2	0.21
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	3	0.21
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	12	0.21
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	14	0.21
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	20	0.21
(4,1052)	1:16:A:ASN:H	1:15:A:LEU:H	5	0.21
(4,1050)	1:48:A:ILE:HG12	1:48:A:ILE:H	1	0.21
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	20	0.21
(4,1026)	1:134:A:ILE:HD11	1:134:A:ILE:H	12	0.21
(4,1026)	1:134:A:ILE:HD12	1:134:A:ILE:H	12	0.21
(4,1026)	1:134:A:ILE:HD13	1:134:A:ILE:H	12	0.21
(4,1016)	1:15:A:LEU:HD21	1:26:A:THR:H	1	0.21
(4,1016)	1:15:A:LEU:HD22	1:26:A:THR:H	1	0.21
(4,1016)	1:15:A:LEU:HD23	1:26:A:THR:H	1	0.21
(4,987)	1:37:A:GLN:H	1:36:A:LEU:H	10	0.21
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	13	0.21
(4,977)	1:6:A:THR:H	1:5:A:LEU:HA	8	0.21
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	6	0.21
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	7	0.21
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	3	0.21
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	3	0.21
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	3	0.21
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	13	0.21
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	12	0.21
(4,879)	1:34:A:PRO:HG2	1:35:A:SER:H	1	0.21
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	11	0.21
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	3	0.21
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	3	0.21
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	3	0.21
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	4	0.21
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	4	0.21
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	4	0.21
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	11	0.21
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	11	0.21
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	12	0.21
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	12	0.21
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	12	0.21
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	15	0.21
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	15	0.21
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	15	0.21
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	19	0.21
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	19	0.21
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	19	0.21
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	3	0.21
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	5	0.21
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	7	0.21
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	8	0.21
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	10	0.21
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	14	0.21
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	15	0.21
(4,855)	1:138:A:VAL:H	1:137:A:ALA:HA	20	0.21
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	2	0.21
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	12	0.21
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	13	0.21
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	20	0.21
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	5	0.21
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	6	0.21
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	20	0.21
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	4	0.21
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	4	0.21
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	4	0.21
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	13	0.21
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	13	0.21
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	13	0.21
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	13	0.21
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	18	0.21
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	16	0.21
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	3	0.21
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	3	0.21
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	3	0.21
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	14	0.21
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	14	0.21
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	14	0.21
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	15	0.21
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	15	0.21
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	3	0.21
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	3	0.21
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	3	0.21
(4,590)	1:147:A:ASN:HB2	1:147:A:ASN:H	16	0.21
(4,580)	1:103:A:ARG:H	1:102:A:ASN:HB3	16	0.21
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	1	0.21
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	15	0.21
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	7	0.21
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	9	0.21
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	10	0.21
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	13	0.21
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	16	0.21
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	18	0.21
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	19	0.21
(4,486)	1:40:A:LEU:HD21	1:41:A:THR:H	11	0.21
(4,486)	1:40:A:LEU:HD22	1:41:A:THR:H	11	0.21
(4,486)	1:40:A:LEU:HD23	1:41:A:THR:H	11	0.21
(4,486)	1:40:A:LEU:HD11	1:41:A:THR:H	11	0.21
(4,486)	1:40:A:LEU:HD12	1:41:A:THR:H	11	0.21
(4,486)	1:40:A:LEU:HD13	1:41:A:THR:H	11	0.21
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	6	0.21
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	19	0.21
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	7	0.21
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	6	0.21
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	12	0.21
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	9	0.21
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	14	0.21
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	7	0.21
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	10	0.21
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	11	0.21
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	16	0.21
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	18	0.21
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	12	0.21
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	1	0.21
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	3	0.21
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	9	0.21
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	8	0.21
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	9	0.21
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	15	0.21
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	19	0.21
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	12	0.21
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	7	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	7	0.21
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	18	0.21
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	5	0.21
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	6	0.21
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	9	0.21
(4,246)	1:103:A:ARG:H	1:102:A:ASN:HB2	1	0.21
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	1	0.21
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	19	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	1	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	3	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	4	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	5	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	6	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	7	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	8	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	9	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	10	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	11	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	12	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	15	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	16	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	17	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	18	0.21
(4,221)	1:86:A:VAL:HA	1:86:A:VAL:H	19	0.21
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	8	0.21
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	19	0.21
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	18	0.21
(4,87)	1:80:A:LYS:HD2	1:80:A:LYS:H	17	0.21
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	2	0.21
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	3	0.21
(4,76)	1:135:A:GLY:HA3	1:135:A:GLY:H	17	0.21
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	2	0.21
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	4	0.21
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	2	0.21
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	6	0.21
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	14	0.21
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	18	0.21
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	5	0.21
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	6	0.21
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	13	0.21
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	15	0.21
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,17)	1:116:A:LEU:HD21	1:115:A:TRP:H	6	0.21
(4,17)	1:116:A:LEU:HD22	1:115:A:TRP:H	6	0.21
(4,17)	1:116:A:LEU:HD23	1:115:A:TRP:H	6	0.21
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	1	0.21
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	4	0.21
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	7	0.21
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	6	0.21
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	7	0.21
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	8	0.21
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	12	0.21
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	15	0.21
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	20	0.21
(3,26)	1:126:A:HIS:HD2	1:115:A:TRP:HE3	4	0.21
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	7	0.21
(2,3138)	1:98:A:PHE:H	1:97:A:GLU:HG2	12	0.21
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	8	0.21
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	4	0.21
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	7	0.21
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	10	0.21
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	14	0.21
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	15	0.21
(2,2957)	1:79:A:MET:HG2	1:80:A:LYS:H	19	0.21
(2,2889)	1:10:A:LYS:HG3	1:10:A:LYS:HD3	11	0.21
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	1	0.21
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	6	0.21
(2,2819)	1:23:A:ARG:HD3	1:23:A:ARG:HA	18	0.21
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	1	0.21
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	3	0.21
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	16	0.21
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	4	0.21
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	14	0.21
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	17	0.21
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	19	0.21
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	3	0.21
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	7	0.21
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	10	0.21
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	14	0.21
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	5	0.21
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	13	0.21
(2,2414)	1:37:A:GLN:HG3	1:37:A:GLN:HB2	16	0.21
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	16	0.21
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2077)	1:10:A:LYS:HE3	1:10:A:LYS:HA	3	0.21
(2,2042)	1:2:A:ARG:HA	1:2:A:ARG:HG3	10	0.21
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	2	0.21
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	4	0.21
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	9	0.21
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	11	0.21
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	14	0.21
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	17	0.21
(2,2003)	1:92:A:GLN:HG2	1:92:A:GLN:HB2	20	0.21
(2,2002)	1:30:A:LEU:HB3	1:30:A:LEU:HG	8	0.21
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	5	0.21
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	9	0.21
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	19	0.21
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	10	0.21
(2,1965)	1:80:A:LYS:HG3	1:80:A:LYS:HE3	3	0.21
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	5	0.21
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	5	0.21
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	5	0.21
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	18	0.21
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	18	0.21
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	10	0.21
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	5	0.21
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	12	0.21
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	19	0.21
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	19	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	2	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	3	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	4	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	5	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	9	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	10	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	11	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	12	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	13	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	14	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	15	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	16	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	17	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	18	0.21
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	20	0.21
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	10	0.21
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	14	0.21
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	20	0.21
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	16	0.21
(2,1222)	1:13:A:ASP:HB2	1:13:A:ASP:HA	8	0.21
(2,1214)	1:11:A:GLN:HG2	1:11:A:GLN:HB3	13	0.21
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	4	0.21
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	12	0.21
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	15	0.21
(2,1128)	1:34:A:PRO:HD3	1:34:A:PRO:HB2	16	0.21
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	4	0.21
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	5	0.21
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	11	0.21
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	12	0.21
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	16	0.21
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	20	0.21
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	3	0.21
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	3	0.21
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	5	0.21
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	5	0.21
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	6	0.21
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	6	0.21
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	9	0.21
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	9	0.21
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	2	0.21
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	7	0.21
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	7	0.21
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	7	0.21
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	8	0.21
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	8	0.21
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	8	0.21
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	9	0.21
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	9	0.21
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	9	0.21
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	14	0.21
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	14	0.21
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	14	0.21
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	11	0.21
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	20	0.21
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	2	0.21
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	2	0.21
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	2	0.21
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	20	0.21
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	20	0.21
(2,899)	1:37:A:GLN:H	1:36:A:LEU:HG	15	0.21
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	3	0.21
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	5	0.21
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	7	0.21
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	8	0.21
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	11	0.21
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	19	0.21
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	11	0.21
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	11	0.21
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	11	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	4	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	5	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	7	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	8	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	9	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	10	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	12	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	13	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	15	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	16	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	17	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	19	0.21
(2,800)	1:10:A:LYS:HE3	1:10:A:LYS:HD3	20	0.21
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	17	0.21
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	17	0.21
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	17	0.21
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	3	0.21
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	7	0.21
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	12	0.21
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	4	0.21
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	17	0.21
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	8	0.21
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	7	0.21
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	8	0.21
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	8	0.21
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	8	0.21
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	9	0.21
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	9	0.21
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	9	0.21
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	20	0.21
(2,113)	1:23:A:ARG:HD2	1:23:A:ARG:HA	20	0.21
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	16	0.21
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	16	0.21
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	16	0.21
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD11	3	0.21
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD12	3	0.21
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD13	3	0.21
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD11	10	0.21
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD12	10	0.21
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD13	10	0.21
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD11	17	0.21
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD12	17	0.21
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD13	17	0.21
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG21	2	0.21
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG22	2	0.21
(1,9)	1:91:A:THR:HB	1:65:A:ILE:HG23	2	0.21
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	11	0.21
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	11	0.21
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	11	0.21
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	11	0.21
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	11	0.21
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	11	0.21
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	14	0.21
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	14	0.21
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	14	0.21
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	14	0.21
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	14	0.21
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	14	0.21
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	19	0.21
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	19	0.21
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	19	0.21
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	19	0.21
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	19	0.21
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	19	0.21
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	15	0.2
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	4	0.2
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	8	0.2
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	20	0.2
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	2	0.2
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	9	0.2
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	14	0.2
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	20	0.2
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	1	0.2
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	15	0.2
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	4	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	1	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	2	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	3	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	4	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	5	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	6	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	7	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	8	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	9	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	10	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	11	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	12	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	13	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	14	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	15	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	16	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	17	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	18	0.2
(4,1445)	1:76:A:ASN:HD21	1:76:A:ASN:HD22	20	0.2
(4,1439)	1:122:A:HIS:H	1:121:A:GLN:H	8	0.2
(4,1415)	1:3:A:LYS:HG3	1:3:A:LYS:H	20	0.2
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	8	0.2
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	4	0.2
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	13	0.2
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	18	0.2
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	10	0.2
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	11	0.2
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	1	0.2
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	12	0.2
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	17	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	4	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	4	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	4	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	5	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	5	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	5	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	7	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	7	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	9	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	9	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	9	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	19	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	19	0.2
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	19	0.2
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	3	0.2
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	19	0.2
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	3	0.2
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	12	0.2
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	2	0.2
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	12	0.2
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	18	0.2
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	19	0.2
(4,1218)	1:2:A:ARG:HA	1:3:A:LYS:H	12	0.2
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	2	0.2
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	3	0.2
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	6	0.2
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	9	0.2
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	13	0.2
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	14	0.2
(4,1210)	1:153:A:LEU:HA	1:153:A:LEU:H	16	0.2
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	1	0.2
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	5	0.2
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	12	0.2
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	15	0.2
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	3	0.2
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	4	0.2
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	8	0.2
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	11	0.2
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	14	0.2
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	16	0.2
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	11	0.2
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	20	0.2
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	10	0.2
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	13	0.2
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	16	0.2
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	8	0.2
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	5	0.2
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1119)	1:140:A:LYS:H	1:140:A:LYS:HD2	14	0.2
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	1	0.2
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	4	0.2
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	5	0.2
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	6	0.2
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	11	0.2
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	15	0.2
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	18	0.2
(4,1016)	1:15:A:LEU:HD21	1:26:A:THR:H	4	0.2
(4,1016)	1:15:A:LEU:HD22	1:26:A:THR:H	4	0.2
(4,1016)	1:15:A:LEU:HD23	1:26:A:THR:H	4	0.2
(4,1000)	1:3:A:LYS:H	1:4:A:LEU:H	5	0.2
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	14	0.2
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	9	0.2
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	17	0.2
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	17	0.2
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	17	0.2
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	20	0.2
(4,901)	1:108:A:GLY:H	1:107:A:PRO:HB3	15	0.2
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	10	0.2
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	10	0.2
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	10	0.2
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	10	0.2
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	10	0.2
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	10	0.2
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	9	0.2
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	1	0.2
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	10	0.2
(4,895)	1:74:A:LEU:HD11	1:75:A:ASN:H	11	0.2
(4,895)	1:74:A:LEU:HD12	1:75:A:ASN:H	11	0.2
(4,895)	1:74:A:LEU:HD13	1:75:A:ASN:H	11	0.2
(4,895)	1:74:A:LEU:HD11	1:75:A:ASN:H	14	0.2
(4,895)	1:74:A:LEU:HD12	1:75:A:ASN:H	14	0.2
(4,895)	1:74:A:LEU:HD13	1:75:A:ASN:H	14	0.2
(4,895)	1:74:A:LEU:HD11	1:75:A:ASN:H	15	0.2
(4,895)	1:74:A:LEU:HD12	1:75:A:ASN:H	15	0.2
(4,895)	1:74:A:LEU:HD13	1:75:A:ASN:H	15	0.2
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	1	0.2
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	1	0.2
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	1	0.2
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	7	0.2
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	7	0.2
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	16	0.2
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	16	0.2
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	16	0.2
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	4	0.2
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	9	0.2
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	10	0.2
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	17	0.2
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	19	0.2
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	1	0.2
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	3	0.2
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	9	0.2
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	17	0.2
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	19	0.2
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	19	0.2
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	15	0.2
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	15	0.2
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	15	0.2
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	2	0.2
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	6	0.2
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	9	0.2
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	16	0.2
(4,714)	1:92:A:GLN:H	1:91:A:THR:H	15	0.2
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	12	0.2
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	12	0.2
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	12	0.2
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	6	0.2
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	6	0.2
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	6	0.2
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	16	0.2
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	16	0.2
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	16	0.2
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	7	0.2
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	7	0.2
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	7	0.2
(4,673)	1:71:A:THR:H	1:71:A:THR:HB	9	0.2
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	2	0.2
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	2	0.2
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	2	0.2
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	8	0.2
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	8	0.2
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	20	0.2
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	20	0.2
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	20	0.2
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	5	0.2
(4,581)	1:160:A:GLY:H	1:161:A:THR:H	11	0.2
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	17	0.2
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	7	0.2
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	8	0.2
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	18	0.2
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	2	0.2
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	6	0.2
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	10	0.2
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	17	0.2
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	18	0.2
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	14	0.2
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	16	0.2
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	17	0.2
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	14	0.2
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	3	0.2
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	6	0.2
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	9	0.2
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	14	0.2
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	16	0.2
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	18	0.2
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	2	0.2
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	16	0.2
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	17	0.2
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	20	0.2
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD11	12	0.2
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD12	12	0.2
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD13	12	0.2
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	7	0.2
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	15	0.2
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	15	0.2
(4,382)	1:44:A:GLN:HG2	1:44:A:GLN:H	19	0.2
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	14	0.2
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	14	0.2
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	14	0.2
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	2	0.2
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	3	0.2
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	4	0.2
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	16	0.2
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	2	0.2
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	2	0.2
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	9	0.2
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	9	0.2
(4,280)	1:77:A:ARG:HG3	1:78:A:VAL:H	11	0.2
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	6	0.2
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	1	0.2
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	3	0.2
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	14	0.2
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	17	0.2
(4,260)	1:132:A:ALA:H	1:133:A:SER:H	19	0.2
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	1	0.2
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	3	0.2
(4,217)	1:159:A:ASN:HD21	1:159:A:ASN:H	10	0.2
(4,192)	1:92:A:GLN:H	1:92:A:GLN:HB2	8	0.2
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	2	0.2
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	6	0.2
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	10	0.2
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	18	0.2
(4,87)	1:80:A:LYS:HD2	1:80:A:LYS:H	9	0.2
(4,81)	1:10:A:LYS:HE2	1:11:A:GLN:H	13	0.2
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	5	0.2
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	15	0.2
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	18	0.2
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	3	0.2
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	13	0.2
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	7	0.2
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	19	0.2
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	4	0.2
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	9	0.2
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	10	0.2
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	14	0.2
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	6	0.2
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	5	0.2
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	8	0.2
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	13	0.2
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	3	0.2
(2,2963)	1:79:A:MET:HA	1:78:A:VAL:HB	3	0.2
(2,2963)	1:79:A:MET:HA	1:78:A:VAL:HB	5	0.2
(2,2896)	1:3:A:LYS:HB3	1:4:A:LEU:H	13	0.2
(2,2805)	1:144:A:ARG:HD3	1:144:A:ARG:HA	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	5	0.2
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	6	0.2
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	7	0.2
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	11	0.2
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	8	0.2
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	18	0.2
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	5	0.2
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	17	0.2
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD21	6	0.2
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD22	6	0.2
(2,2528)	1:103:A:ARG:HG3	1:116:A:LEU:HD23	6	0.2
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	16	0.2
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	20	0.2
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	1	0.2
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	12	0.2
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	6	0.2
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	9	0.2
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	14	0.2
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	17	0.2
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	18	0.2
(2,2220)	1:15:A:LEU:HB2	1:26:A:THR:HA	6	0.2
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	11	0.2
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	3	0.2
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	4	0.2
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	6	0.2
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	7	0.2
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	8	0.2
(2,1748)	1:121:A:GLN:HG3	1:121:A:GLN:H	9	0.2
(2,1723)	1:92:A:GLN:HG3	1:92:A:GLN:HB2	6	0.2
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	2	0.2
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	10	0.2
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	5	0.2
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	1	0.2
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	12	0.2
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	20	0.2
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	1	0.2
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	6	0.2
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	7	0.2
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	8	0.2
(2,1394)	1:8:A:GLN:HB3	1:8:A:GLN:HA	19	0.2
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	17	0.2
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	20	0.2
(2,1163)	1:44:A:GLN:HB2	1:45:A:SER:H	13	0.2
(2,1139)	1:45:A:SER:HB2	1:46:A:ILE:H	3	0.2
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	15	0.2
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	18	0.2
(2,1093)	1:68:A:LYS:HD3	1:68:A:LYS:HE2	10	0.2
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	1	0.2
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	1	0.2
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	11	0.2
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	11	0.2
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	12	0.2
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	12	0.2
(2,1053)	1:80:A:LYS:HB2	1:80:A:LYS:HE3	9	0.2
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	1	0.2
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	1	0.2
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	1	0.2
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	6	0.2
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	6	0.2
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	6	0.2
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	10	0.2
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	10	0.2
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	10	0.2
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	16	0.2
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	16	0.2
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	16	0.2
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	18	0.2
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	18	0.2
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	18	0.2
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	19	0.2
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	19	0.2
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	19	0.2
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	20	0.2
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	20	0.2
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	20	0.2
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	14	0.2
(2,941)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	17	0.2
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	5	0.2
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	8	0.2
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	10	0.2
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	6	0.2
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	6	0.2
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	7	0.2
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	7	0.2
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	7	0.2
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	18	0.2
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	18	0.2
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	18	0.2
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	8	0.2
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	3	0.2
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	4	0.2
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	14	0.2
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	12	0.2
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	12	0.2
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	12	0.2
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	14	0.2
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	14	0.2
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	14	0.2
(2,646)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	19	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	1	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	2	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	3	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	5	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	6	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	7	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	8	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	9	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	10	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	11	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	12	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	13	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	14	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	15	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	16	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	18	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	19	0.2
(2,515)	1:104:A:GLN:HB2	1:104:A:GLN:HG2	20	0.2
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	1	0.2
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	1	0.2
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	1	0.2
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	4	0.2
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	17	0.2
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	19	0.2
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	19	0.2
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	19	0.2
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	19	0.2
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD11	5	0.2
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD12	5	0.2
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD13	5	0.2
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD11	6	0.2
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD12	6	0.2
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD13	6	0.2
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	14	0.2
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	14	0.2
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	14	0.2
(4,1553)	1:10:A:LYS:HA	1:11:A:GLN:H	19	0.19
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	19	0.19
(4,1537)	1:120:A:LYS:HD3	1:120:A:LYS:H	6	0.19
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	9	0.19
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	20	0.19
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	3	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	1	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	3	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	4	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	5	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	6	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	7	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	8	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	10	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	12	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	13	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	15	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	16	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	17	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	18	0.19
(4,1496)	1:75:A:ASN:HD21	1:75:A:ASN:HD22	19	0.19
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	5	0.19
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	10	0.19
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	13	0.19
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	18	0.19
(4,1478)	1:148:A:LYS:HG3	1:148:A:LYS:H	8	0.19
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	9	0.19
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	15	0.19
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	3	0.19
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB1	19	0.19
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB2	19	0.19
(4,1321)	1:113:A:ALA:H	1:113:A:ALA:HB3	19	0.19
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	2	0.19
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	10	0.19
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	15	0.19
(4,1292)	1:116:A:LEU:HG	1:117:A:SER:H	17	0.19
(4,1292)	1:116:A:LEU:HG	1:117:A:SER:H	19	0.19
(4,1279)	1:59:A:TYR:HB2	1:59:A:TYR:H	18	0.19
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	11	0.19
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	11	0.19
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	11	0.19
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	7	0.19
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	18	0.19
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	11	0.19
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	5	0.19
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	17	0.19
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	3	0.19
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	4	0.19
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	5	0.19
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	10	0.19
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	11	0.19
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	13	0.19
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	15	0.19
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	16	0.19
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	17	0.19
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	2	0.19
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	2	0.19
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	2	0.19
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	13	0.19
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	13	0.19
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	13	0.19
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	12	0.19
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	12	0.19
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	12	0.19
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	12	0.19
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	6	0.19
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	19	0.19
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	2	0.19
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	9	0.19
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	12	0.19
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	19	0.19
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	20	0.19
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	5	0.19
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	6	0.19
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	8	0.19
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	14	0.19
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	15	0.19
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	2	0.19
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	11	0.19
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	14	0.19
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	17	0.19
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	20	0.19
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	11	0.19
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	16	0.19
(4,1090)	1:136:A:LYS:HB3	1:136:A:LYS:H	20	0.19
(4,1065)	1:53:A:ASP:HB3	1:53:A:ASP:H	11	0.19
(4,1057)	1:60:A:HIS:H	1:60:A:HIS:HA	17	0.19
(4,1046)	1:79:A:MET:HG2	1:80:A:LYS:H	12	0.19
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	13	0.19
(4,1016)	1:15:A:LEU:HD21	1:26:A:THR:H	11	0.19
(4,1016)	1:15:A:LEU:HD22	1:26:A:THR:H	11	0.19
(4,1016)	1:15:A:LEU:HD23	1:26:A:THR:H	11	0.19
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	9	0.19
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	19	0.19
(4,1001)	1:130:A:ASN:HB2	1:130:A:ASN:H	3	0.19
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	2	0.19
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	12	0.19
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	2	0.19
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	9	0.19
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	9	0.19
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	9	0.19
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	16	0.19
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	16	0.19
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	16	0.19
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	1	0.19
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	14	0.19
(4,895)	1:74:A:LEU:HD11	1:75:A:ASN:H	9	0.19
(4,895)	1:74:A:LEU:HD12	1:75:A:ASN:H	9	0.19
(4,895)	1:74:A:LEU:HD13	1:75:A:ASN:H	9	0.19
(4,889)	1:31:A:GLN:HG2	1:31:A:GLN:H	8	0.19
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	5	0.19
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	5	0.19
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	6	0.19
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	6	0.19
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	6	0.19
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	8	0.19
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	8	0.19
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	8	0.19
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	10	0.19
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	10	0.19
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	10	0.19
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	13	0.19
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	13	0.19
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	13	0.19
(4,858)	1:100:A:ILE:HD11	1:100:A:ILE:H	9	0.19
(4,858)	1:100:A:ILE:HD12	1:100:A:ILE:H	9	0.19
(4,858)	1:100:A:ILE:HD13	1:100:A:ILE:H	9	0.19
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	1	0.19
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	3	0.19
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	8	0.19
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	18	0.19
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	16	0.19
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	11	0.19
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	14	0.19
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	17	0.19
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	18	0.19
(4,811)	1:132:A:ALA:H	1:133:A:SER:H	14	0.19
(4,806)	1:55:A:TYR:HB2	1:55:A:TYR:H	20	0.19
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	5	0.19
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	5	0.19
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	5	0.19
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	16	0.19
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	16	0.19
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	16	0.19
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	17	0.19
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	17	0.19
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	17	0.19
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	19	0.19
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	19	0.19
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	19	0.19
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	17	0.19
(4,730)	1:149:A:ASP:H	1:150:A:VAL:H	14	0.19
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	5	0.19
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	5	0.19
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	5	0.19
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	9	0.19
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	9	0.19
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	9	0.19
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	11	0.19
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	11	0.19
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	11	0.19
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	17	0.19
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	17	0.19
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	17	0.19
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	1	0.19
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	1	0.19
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	1	0.19
(4,650)	1:5:A:LEU:H	1:48:A:ILE:H	10	0.19
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	9	0.19
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	9	0.19
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	9	0.19
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	10	0.19
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	10	0.19
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	10	0.19
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	11	0.19
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	11	0.19
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	11	0.19
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	1	0.19
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	4	0.19
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	18	0.19
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	3	0.19
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	4	0.19
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	14	0.19
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	14	0.19
(4,486)	1:40:A:LEU:HD21	1:41:A:THR:H	12	0.19
(4,486)	1:40:A:LEU:HD22	1:41:A:THR:H	12	0.19
(4,486)	1:40:A:LEU:HD23	1:41:A:THR:H	12	0.19
(4,486)	1:40:A:LEU:HD11	1:41:A:THR:H	12	0.19
(4,486)	1:40:A:LEU:HD12	1:41:A:THR:H	12	0.19
(4,486)	1:40:A:LEU:HD13	1:41:A:THR:H	12	0.19
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	9	0.19
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	12	0.19
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	16	0.19
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	7	0.19
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	1	0.19
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	5	0.19
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	8	0.19
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	10	0.19
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	11	0.19
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	13	0.19
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	18	0.19
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	6	0.19
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	3	0.19
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	4	0.19
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	5	0.19
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	12	0.19
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	13	0.19
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	14	0.19
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	15	0.19
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	18	0.19
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	19	0.19
(4,433)	1:162:A:ARG:HB3	1:162:A:ARG:H	1	0.19
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	19	0.19
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	3	0.19
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	5	0.19
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	7	0.19
(4,357)	1:119:A:SER:H	1:119:A:SER:HA	14	0.19
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	2	0.19
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	7	0.19
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	7	0.19
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	7	0.19
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	10	0.19
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	10	0.19
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	10	0.19
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	4	0.19
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	5	0.19
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	7	0.19
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	15	0.19
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	16	0.19
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	17	0.19
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	19	0.19
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	16	0.19
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	16	0.19
(4,276)	1:104:A:GLN:HG3	1:104:A:GLN:H	12	0.19
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	9	0.19
(4,245)	1:119:A:SER:H	1:119:A:SER:HB2	15	0.19
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	14	0.19
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	2	0.19
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	3	0.19
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	4	0.19
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	5	0.19
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	8	0.19
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	9	0.19
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	11	0.19
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	15	0.19
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	16	0.19
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	18	0.19
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	20	0.19
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	12	0.19
(4,87)	1:80:A:LYS:HD2	1:80:A:LYS:H	2	0.19
(4,81)	1:10:A:LYS:HE2	1:11:A:GLN:H	15	0.19
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	3	0.19
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	8	0.19
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	4	0.19
(4,62)	1:56:A:THR:H	1:55:A:TYR:HB2	10	0.19
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	1	0.19
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	4	0.19
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	15	0.19
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	18	0.19
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	1	0.19
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	1	0.19
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	4	0.19
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	20	0.19
(4,31)	1:117:A:SER:H	1:102:A:ASN:HB3	2	0.19
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	6	0.19
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	19	0.19
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD11	1	0.19
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD12	1	0.19
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD13	1	0.19
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD11	1	0.19
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD12	1	0.19
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD13	1	0.19
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE1	15	0.19
(3,30)	1:5:A:LEU:HD11	1:22:A:PHE:HE2	15	0.19
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE1	15	0.19
(3,30)	1:5:A:LEU:HD12	1:22:A:PHE:HE2	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE1	15	0.19
(3,30)	1:5:A:LEU:HD13	1:22:A:PHE:HE2	15	0.19
(3,6)	1:5:A:LEU:HD11	1:22:A:PHE:HZ	15	0.19
(3,6)	1:5:A:LEU:HD12	1:22:A:PHE:HZ	15	0.19
(3,6)	1:5:A:LEU:HD13	1:22:A:PHE:HZ	15	0.19
(2,3138)	1:98:A:PHE:H	1:97:A:GLU:HG2	14	0.19
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	4	0.19
(2,3118)	1:80:A:LYS:HB2	1:80:A:LYS:HE2	11	0.19
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	1	0.19
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	6	0.19
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	4	0.19
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	8	0.19
(2,2963)	1:79:A:MET:HA	1:78:A:VAL:HB	13	0.19
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	20	0.19
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	3	0.19
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	8	0.19
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	14	0.19
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	6	0.19
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	2	0.19
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	16	0.19
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	1	0.19
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	3	0.19
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	6	0.19
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	11	0.19
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	14	0.19
(2,2488)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	7	0.19
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	16	0.19
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	16	0.19
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	16	0.19
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	18	0.19
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	18	0.19
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	18	0.19
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	20	0.19
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	2	0.19
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	20	0.19
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	2	0.19
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	17	0.19
(2,2002)	1:30:A:LEU:HB3	1:30:A:LEU:HG	16	0.19
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	1	0.19
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	2	0.19
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	10	0.19
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	12	0.19
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	13	0.19
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	14	0.19
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	15	0.19
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	18	0.19
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	20	0.19
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	4	0.19
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	4	0.19
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	4	0.19
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	10	0.19
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	10	0.19
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	10	0.19
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	9	0.19
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	16	0.19
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	13	0.19
(2,1777)	1:15:A:LEU:HD11	1:15:A:LEU:HA	18	0.19
(2,1777)	1:15:A:LEU:HD12	1:15:A:LEU:HA	18	0.19
(2,1777)	1:15:A:LEU:HD13	1:15:A:LEU:HA	18	0.19
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	5	0.19
(2,1501)	1:15:A:LEU:HA	1:15:A:LEU:HG	15	0.19
(2,1500)	1:130:A:ASN:HB2	1:129:A:ASN:H	10	0.19
(2,1500)	1:130:A:ASN:HB2	1:129:A:ASN:H	17	0.19
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	2	0.19
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	16	0.19
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	4	0.19
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	14	0.19
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	19	0.19
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	10	0.19
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	10	0.19
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	10	0.19
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	1	0.19
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	4	0.19
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	6	0.19
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	8	0.19
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	10	0.19
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	14	0.19
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	15	0.19
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	1	0.19
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	2	0.19
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	6	0.19
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	2	0.19
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	4	0.19
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	4	0.19
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	13	0.19
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	13	0.19
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	2	0.19
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	2	0.19
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	2	0.19
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	5	0.19
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	5	0.19
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	5	0.19
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	12	0.19
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	12	0.19
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	12	0.19
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	15	0.19
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	15	0.19
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	15	0.19
(2,1013)	1:140:A:LYS:HG3	1:140:A:LYS:HA	3	0.19
(2,998)	1:121:A:GLN:HG2	1:121:A:GLN:H	17	0.19
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	13	0.19
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	13	0.19
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	13	0.19
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	16	0.19
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	16	0.19
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	16	0.19
(2,862)	1:131:A:PRO:HA	1:131:A:PRO:HG2	20	0.19
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	10	0.19
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	10	0.19
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	10	0.19
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	16	0.19
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	16	0.19
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	16	0.19
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	20	0.19
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	19	0.19
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	19	0.19
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	19	0.19
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	9	0.19
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE1	10	0.19
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE2	10	0.19
(2,314)	1:79:A:MET:HA	1:79:A:MET:HE3	10	0.19
(2,282)	1:107:A:PRO:HD2	1:107:A:PRO:HB2	6	0.19
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	1	0.19
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD11	13	0.19
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD12	13	0.19
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD13	13	0.19
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD11	13	0.19
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD12	13	0.19
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD13	13	0.19
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD11	13	0.19
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD12	13	0.19
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD13	13	0.19
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	10	0.19
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	10	0.19
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	10	0.19
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	10	0.19
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	10	0.19
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	10	0.19
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	3	0.18
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	14	0.18
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	5	0.18
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	6	0.18
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	15	0.18
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	9	0.18
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	13	0.18
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	10	0.18
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	13	0.18
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	15	0.18
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	7	0.18
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	9	0.18
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	11	0.18
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	12	0.18
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	5	0.18
(4,1469)	1:51:A:LEU:H	1:51:A:LEU:HG	19	0.18
(4,1430)	1:140:A:LYS:HB2	1:141:A:GLY:H	6	0.18
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	3	0.18
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	12	0.18
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	13	0.18
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	16	0.18
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	7	0.18
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	12	0.18
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	3	0.18
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	5	0.18
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	16	0.18
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	17	0.18
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	6	0.18
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	10	0.18
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	11	0.18
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	13	0.18
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	16	0.18
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	18	0.18
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	19	0.18
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	6	0.18
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	20	0.18
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	7	0.18
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	7	0.18
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	7	0.18
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	14	0.18
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	14	0.18
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	14	0.18
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	9	0.18
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	13	0.18
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	3	0.18
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	3	0.18
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	3	0.18
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	5	0.18
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	5	0.18
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	5	0.18
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	4	0.18
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	7	0.18
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	16	0.18
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	17	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	3	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	4	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	5	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	7	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	8	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	9	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	10	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	11	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	15	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	17	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	18	0.18
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	20	0.18
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	11	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	2	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	3	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	4	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	5	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	6	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	7	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	8	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	9	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	10	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	11	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	12	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	13	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	14	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	15	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	16	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	17	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	18	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	19	0.18
(4,1154)	1:127:A:GLY:H	1:127:A:GLY:HA2	20	0.18
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	1	0.18
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	2	0.18
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	7	0.18
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	15	0.18
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	2	0.18
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	12	0.18
(4,1152)	1:57:A:ILE:HB	1:57:A:ILE:H	16	0.18
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	1	0.18
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	9	0.18
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	19	0.18
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	1	0.18
(4,1130)	1:121:A:GLN:HB3	1:121:A:GLN:H	8	0.18
(4,1097)	1:15:A:LEU:HD11	1:26:A:THR:H	14	0.18
(4,1097)	1:15:A:LEU:HD12	1:26:A:THR:H	14	0.18
(4,1097)	1:15:A:LEU:HD13	1:26:A:THR:H	14	0.18
(4,1090)	1:136:A:LYS:HB3	1:136:A:LYS:H	5	0.18
(4,1090)	1:136:A:LYS:HB3	1:136:A:LYS:H	13	0.18
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	5	0.18
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	12	0.18
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	6	0.18
(4,1041)	1:136:A:LYS:HB3	1:137:A:ALA:H	15	0.18
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	9	0.18
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	10	0.18
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	12	0.18
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	15	0.18
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	16	0.18
(4,1010)	1:79:A:MET:H	1:79:A:MET:HG2	20	0.18
(4,987)	1:37:A:GLN:H	1:36:A:LEU:H	16	0.18
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	4	0.18
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	8	0.18
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	11	0.18
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	15	0.18
(4,945)	1:113:A:ALA:H	1:112:A:GLY:H	6	0.18
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	19	0.18
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	11	0.18
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	11	0.18
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	11	0.18
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	11	0.18
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	11	0.18
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	11	0.18
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	19	0.18
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	19	0.18
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	19	0.18
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	19	0.18
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	19	0.18
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	19	0.18
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	13	0.18
(4,895)	1:74:A:LEU:HD11	1:75:A:ASN:H	20	0.18
(4,895)	1:74:A:LEU:HD12	1:75:A:ASN:H	20	0.18
(4,895)	1:74:A:LEU:HD13	1:75:A:ASN:H	20	0.18
(4,889)	1:31:A:GLN:HG2	1:31:A:GLN:H	15	0.18
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	2	0.18
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	10	0.18
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	14	0.18
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	9	0.18
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	9	0.18
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	9	0.18
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	12	0.18
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	2	0.18
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	2	0.18
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	2	0.18
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	1	0.18
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	8	0.18
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	14	0.18
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	15	0.18
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	17	0.18
(4,748)	1:72:A:LEU:HB3	1:80:A:LYS:H	3	0.18
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	3	0.18
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	7	0.18
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	15	0.18
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	14	0.18
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	14	0.18
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	14	0.18
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	4	0.18
(4,701)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	15	0.18
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	13	0.18
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	13	0.18
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	13	0.18
(4,685)	1:26:A:THR:HG21	1:19:A:ALA:H	20	0.18
(4,685)	1:26:A:THR:HG22	1:19:A:ALA:H	20	0.18
(4,685)	1:26:A:THR:HG23	1:19:A:ALA:H	20	0.18
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	2	0.18
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	2	0.18
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	2	0.18
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	9	0.18
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	9	0.18
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	9	0.18
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	19	0.18
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	19	0.18
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	19	0.18
(4,650)	1:5:A:LEU:H	1:48:A:ILE:H	2	0.18
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	1	0.18
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	3	0.18
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	4	0.18
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	6	0.18
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	10	0.18
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	15	0.18
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	16	0.18
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	17	0.18
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	19	0.18
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	4	0.18
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	4	0.18
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	4	0.18
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	7	0.18
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	7	0.18
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	15	0.18
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	15	0.18
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	15	0.18
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	16	0.18
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	16	0.18
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	16	0.18
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	8	0.18
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	10	0.18
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	15	0.18
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	13	0.18
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	2	0.18
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	2	0.18
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	3	0.18
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	13	0.18
(4,486)	1:40:A:LEU:HD21	1:41:A:THR:H	10	0.18
(4,486)	1:40:A:LEU:HD22	1:41:A:THR:H	10	0.18
(4,486)	1:40:A:LEU:HD23	1:41:A:THR:H	10	0.18
(4,486)	1:40:A:LEU:HD11	1:41:A:THR:H	10	0.18
(4,486)	1:40:A:LEU:HD12	1:41:A:THR:H	10	0.18
(4,486)	1:40:A:LEU:HD13	1:41:A:THR:H	10	0.18
(4,486)	1:40:A:LEU:HD21	1:41:A:THR:H	14	0.18
(4,486)	1:40:A:LEU:HD22	1:41:A:THR:H	14	0.18
(4,486)	1:40:A:LEU:HD23	1:41:A:THR:H	14	0.18
(4,486)	1:40:A:LEU:HD11	1:41:A:THR:H	14	0.18
(4,486)	1:40:A:LEU:HD12	1:41:A:THR:H	14	0.18
(4,486)	1:40:A:LEU:HD13	1:41:A:THR:H	14	0.18
(4,485)	1:151:A:ILE:H	1:150:A:VAL:H	12	0.18
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	18	0.18
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	12	0.18
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	14	0.18
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	2	0.18
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	3	0.18
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	15	0.18
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	4	0.18
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	8	0.18
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	1	0.18
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	6	0.18
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	8	0.18
(4,436)	1:5:A:LEU:H	1:5:A:LEU:HA	9	0.18
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	13	0.18
(4,403)	1:148:A:LYS:HG3	1:149:A:ASP:H	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	1	0.18
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	12	0.18
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	14	0.18
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	4	0.18
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	1	0.18
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	1	0.18
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	1	0.18
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	8	0.18
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	8	0.18
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	8	0.18
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	10	0.18
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	13	0.18
(4,315)	1:120:A:LYS:HG3	1:120:A:LYS:H	20	0.18
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	16	0.18
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	1	0.18
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	9	0.18
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	18	0.18
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	19	0.18
(4,214)	1:99:A:TYR:HB3	1:100:A:ILE:H	2	0.18
(4,214)	1:99:A:TYR:HB3	1:100:A:ILE:H	11	0.18
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	17	0.18
(4,176)	1:133:A:SER:HB3	1:134:A:ILE:H	10	0.18
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	3	0.18
(4,122)	1:92:A:GLN:HG3	1:93:A:THR:H	18	0.18
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	1	0.18
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	6	0.18
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	7	0.18
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	10	0.18
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	12	0.18
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	13	0.18
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	14	0.18
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	17	0.18
(4,116)	1:106:A:ASN:HD21	1:106:A:ASN:HD22	19	0.18
(4,108)	1:77:A:ARG:HB3	1:78:A:VAL:H	11	0.18
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	7	0.18
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	10	0.18
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	14	0.18
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	17	0.18
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	19	0.18
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	20	0.18
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	11	0.18
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	6	0.18
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	7	0.18
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	9	0.18
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	11	0.18
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	12	0.18
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	13	0.18
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	17	0.18
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	7	0.18
(4,31)	1:117:A:SER:H	1:102:A:ASN:HB3	18	0.18
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	14	0.18
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	17	0.18
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD11	6	0.18
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD12	6	0.18
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD13	6	0.18
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD11	6	0.18
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD12	6	0.18
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD13	6	0.18
(3,26)	1:126:A:HIS:HD2	1:115:A:TRP:HE3	19	0.18
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	11	0.18
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	19	0.18
(2,3197)	1:120:A:LYS:HA	1:120:A:LYS:HD2	15	0.18
(2,3138)	1:98:A:PHE:H	1:97:A:GLU:HG2	18	0.18
(2,2963)	1:79:A:MET:HA	1:78:A:VAL:HB	11	0.18
(2,2963)	1:79:A:MET:HA	1:78:A:VAL:HB	17	0.18
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	11	0.18
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	13	0.18
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	7	0.18
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	7	0.18
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	7	0.18
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	9	0.18
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	9	0.18
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	9	0.18
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	17	0.18
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	2	0.18
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	4	0.18
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	12	0.18
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	15	0.18
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	17	0.18
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	3	0.18
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	5	0.18
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	2	0.18
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	9	0.18
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	10	0.18
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	13	0.18
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	19	0.18
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	20	0.18
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	18	0.18
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	2	0.18
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	4	0.18
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	7	0.18
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	9	0.18
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	13	0.18
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	16	0.18
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	8	0.18
(2,2508)	1:136:A:LYS:HD2	1:136:A:LYS:HB3	17	0.18
(2,2445)	1:103:A:ARG:HD2	1:103:A:ARG:H	6	0.18
(2,2359)	1:77:A:ARG:HA	1:77:A:ARG:HD2	4	0.18
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	2	0.18
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	4	0.18
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	7	0.18
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	14	0.18
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	12	0.18
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	6	0.18
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	16	0.18
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	10	0.18
(2,2105)	1:80:A:LYS:HB3	1:80:A:LYS:HD3	8	0.18
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	4	0.18
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	7	0.18
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	1	0.18
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	8	0.18
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	11	0.18
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	14	0.18
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	20	0.18
(2,2002)	1:30:A:LEU:HB3	1:30:A:LEU:HG	9	0.18
(2,2001)	1:97:A:GLU:HB2	1:97:A:GLU:HG2	16	0.18
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	17	0.18
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	6	0.18
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	6	0.18
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	6	0.18
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	7	0.18
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	7	0.18
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	7	0.18
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	9	0.18
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	9	0.18
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	15	0.18
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	15	0.18
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	15	0.18
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	1	0.18
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	2	0.18
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	3	0.18
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	4	0.18
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	6	0.18
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	7	0.18
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	8	0.18
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	12	0.18
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	13	0.18
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	15	0.18
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	19	0.18
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	4	0.18
(2,1777)	1:15:A:LEU:HD11	1:15:A:LEU:HA	10	0.18
(2,1777)	1:15:A:LEU:HD12	1:15:A:LEU:HA	10	0.18
(2,1777)	1:15:A:LEU:HD13	1:15:A:LEU:HA	10	0.18
(2,1777)	1:15:A:LEU:HD11	1:15:A:LEU:HA	20	0.18
(2,1777)	1:15:A:LEU:HD12	1:15:A:LEU:HA	20	0.18
(2,1777)	1:15:A:LEU:HD13	1:15:A:LEU:HA	20	0.18
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	4	0.18
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	1	0.18
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	8	0.18
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	9	0.18
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	10	0.18
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	12	0.18
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	13	0.18
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	14	0.18
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	15	0.18
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	16	0.18
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	18	0.18
(2,1602)	1:35:A:SER:HB2	1:35:A:SER:HA	20	0.18
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	11	0.18
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	12	0.18
(2,1500)	1:130:A:ASN:HB2	1:129:A:ASN:H	1	0.18
(2,1445)	1:151:A:ILE:HG13	1:151:A:ILE:H	4	0.18
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	16	0.18
(2,1375)	1:44:A:GLN:HG2	1:44:A:GLN:H	16	0.18
(2,1265)	1:105:A:ARG:HG2	1:105:A:ARG:H	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	9	0.18
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	9	0.18
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	9	0.18
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	13	0.18
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	17	0.18
(2,1190)	1:94:A:PRO:HD2	1:94:A:PRO:HB3	18	0.18
(2,1163)	1:44:A:GLN:HB2	1:45:A:SER:H	11	0.18
(2,1163)	1:44:A:GLN:HB2	1:45:A:SER:H	20	0.18
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	3	0.18
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	8	0.18
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	7	0.18
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	7	0.18
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	10	0.18
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	10	0.18
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	15	0.18
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	15	0.18
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	20	0.18
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	20	0.18
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	4	0.18
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	4	0.18
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	4	0.18
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	13	0.18
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	13	0.18
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	13	0.18
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	17	0.18
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	17	0.18
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	17	0.18
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	8	0.18
(2,930)	1:23:A:ARG:HD3	1:24:A:ILE:H	13	0.18
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	1	0.18
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	3	0.18
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	7	0.18
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	9	0.18
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	10	0.18
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	13	0.18
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	1	0.18
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	1	0.18
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	1	0.18
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	2	0.18
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	2	0.18
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	2	0.18
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	11	0.18
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	11	0.18
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	11	0.18
(2,625)	1:31:A:GLN:HA	1:31:A:GLN:HB3	5	0.18
(2,613)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	15	0.18
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	4	0.18
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	5	0.18
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	12	0.18
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	2	0.18
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	2	0.18
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	2	0.18
(2,325)	1:94:A:PRO:HA	1:95:A:THR:H	2	0.18
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	5	0.18
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	12	0.18
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	12	0.18
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	12	0.18
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	6	0.18
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	15	0.18
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	16	0.18
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	5	0.18
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	11	0.18
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	6	0.18
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	6	0.18
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	6	0.18
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	1	0.17
(4,1527)	1:54:A:PRO:HD2	1:55:A:TYR:H	16	0.17
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	12	0.17
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	20	0.17
(4,1492)	1:2:A:ARG:HB3	1:3:A:LYS:H	14	0.17
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	4	0.17
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	6	0.17
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	14	0.17
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	17	0.17
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	19	0.17
(4,1465)	1:152:A:GLU:HB3	1:153:A:LEU:H	13	0.17
(4,1444)	1:33:A:ASN:H	1:33:A:ASN:HD22	15	0.17
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	20	0.17
(4,1430)	1:140:A:LYS:HB2	1:141:A:GLY:H	17	0.17
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	9	0.17
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	10	0.17
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	13	0.17
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	19	0.17
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	19	0.17
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	17	0.17
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	15	0.17
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	19	0.17
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	12	0.17
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	17	0.17
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	1	0.17
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	5	0.17
(4,1292)	1:116:A:LEU:HG	1:117:A:SER:H	4	0.17
(4,1292)	1:116:A:LEU:HG	1:117:A:SER:H	15	0.17
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	16	0.17
(4,1273)	1:167:A:ARG:HB2	1:168:A:GLY:H	12	0.17
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	18	0.17
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	18	0.17
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	18	0.17
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	2	0.17
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	2	0.17
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	6	0.17
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	11	0.17
(4,1247)	1:151:A:ILE:H	1:150:A:VAL:H	14	0.17
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	7	0.17
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	8	0.17
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	9	0.17
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	15	0.17
(4,1243)	1:44:A:GLN:HB3	1:44:A:GLN:H	7	0.17
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	11	0.17
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	4	0.17
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	4	0.17
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	4	0.17
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	14	0.17
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	14	0.17
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	14	0.17
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	20	0.17
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	20	0.17
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	20	0.17
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	1	0.17
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	2	0.17
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	3	0.17
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	8	0.17
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	10	0.17
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	14	0.17
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	20	0.17
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	1	0.17
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	2	0.17
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	6	0.17
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	12	0.17
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	13	0.17
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	14	0.17
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	16	0.17
(4,1184)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	19	0.17
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	13	0.17
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	14	0.17
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	17	0.17
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	20	0.17
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	6	0.17
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	18	0.17
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	7	0.17
(4,1133)	1:70:A:LEU:HB3	1:70:A:LEU:H	20	0.17
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	9	0.17
(4,1120)	1:103:A:ARG:HA	1:104:A:GLN:H	15	0.17
(4,1119)	1:140:A:LYS:H	1:140:A:LYS:HD2	19	0.17
(4,1097)	1:15:A:LEU:HD11	1:26:A:THR:H	10	0.17
(4,1097)	1:15:A:LEU:HD12	1:26:A:THR:H	10	0.17
(4,1097)	1:15:A:LEU:HD13	1:26:A:THR:H	10	0.17
(4,1090)	1:136:A:LYS:HB3	1:136:A:LYS:H	1	0.17
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	11	0.17
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	3	0.17
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	4	0.17
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	5	0.17
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	17	0.17
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	18	0.17
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	3	0.17
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	4	0.17
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	5	0.17
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	6	0.17
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	7	0.17
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	17	0.17
(4,1010)	1:79:A:MET:H	1:79:A:MET:HG2	3	0.17
(4,1000)	1:3:A:LYS:H	1:4:A:LEU:H	7	0.17
(4,1000)	1:3:A:LYS:H	1:4:A:LEU:H	13	0.17
(4,972)	1:17:A:SER:H	1:18:A:ILE:H	9	0.17
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,901)	1:108:A:GLY:H	1:107:A:PRO:HB3	8	0.17
(4,901)	1:108:A:GLY:H	1:107:A:PRO:HB3	9	0.17
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	17	0.17
(4,879)	1:34:A:PRO:HG2	1:35:A:SER:H	7	0.17
(4,866)	1:143:A:ILE:HD11	1:144:A:ARG:H	18	0.17
(4,866)	1:143:A:ILE:HD12	1:144:A:ARG:H	18	0.17
(4,866)	1:143:A:ILE:HD13	1:144:A:ARG:H	18	0.17
(4,865)	1:144:A:ARG:HD3	1:145:A:MET:H	9	0.17
(4,834)	1:158:A:PRO:HA	1:159:A:ASN:H	16	0.17
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	2	0.17
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	7	0.17
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	15	0.17
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	20	0.17
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	20	0.17
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	20	0.17
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	6	0.17
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	4	0.17
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	5	0.17
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	12	0.17
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	5	0.17
(4,704)	1:77:A:ARG:HD3	1:78:A:VAL:H	5	0.17
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	3	0.17
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	3	0.17
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	3	0.17
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	10	0.17
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	10	0.17
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	10	0.17
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	15	0.17
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	15	0.17
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	15	0.17
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	17	0.17
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	17	0.17
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	17	0.17
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	2	0.17
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	5	0.17
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	7	0.17
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	8	0.17
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	9	0.17
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	11	0.17
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	12	0.17
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	13	0.17
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	18	0.17
(4,638)	1:23:A:ARG:HA	1:23:A:ARG:H	20	0.17
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	18	0.17
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	18	0.17
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	18	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	1	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	2	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	3	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	4	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	5	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	8	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	9	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	10	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	11	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	13	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	14	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	15	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	16	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	17	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	18	0.17
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	19	0.17
(4,590)	1:147:A:ASN:HB2	1:147:A:ASN:H	19	0.17
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	12	0.17
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	12	0.17
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	6	0.17
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	10	0.17
(4,536)	1:11:A:GLN:H	1:10:A:LYS:HB3	6	0.17
(4,508)	1:128:A:THR:H	1:127:A:GLY:HA2	6	0.17
(4,501)	1:129:A:ASN:HB3	1:130:A:ASN:H	10	0.17
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	1	0.17
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	4	0.17
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	20	0.17
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	1	0.17
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	10	0.17
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	5	0.17
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	8	0.17
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	16	0.17
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	20	0.17
(4,443)	1:23:A:ARG:HD3	1:24:A:ILE:H	18	0.17
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	2	0.17
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	15	0.17
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	4	0.17
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	17	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	1	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	2	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	3	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	5	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	6	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	7	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	8	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	9	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	10	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	11	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	12	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	13	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	14	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	15	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	16	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	17	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	18	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	19	0.17
(4,378)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	20	0.17
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	17	0.17
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	18	0.17
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	18	0.17
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	18	0.17
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	15	0.17
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	1	0.17
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	11	0.17
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	10	0.17
(4,211)	1:104:A:GLN:HB3	1:104:A:GLN:HE22	19	0.17
(4,211)	1:104:A:GLN:HB3	1:104:A:GLN:HE22	20	0.17
(4,205)	1:136:A:LYS:HD3	1:137:A:ALA:H	13	0.17
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	5	0.17
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	4	0.17
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	16	0.17
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	19	0.17
(4,81)	1:10:A:LYS:HE2	1:11:A:GLN:H	7	0.17
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	1	0.17
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	5	0.17
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	11	0.17
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	12	0.17
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	17	0.17
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	19	0.17
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	2	0.17
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	3	0.17
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	5	0.17
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	8	0.17
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	10	0.17
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	16	0.17
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	19	0.17
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	20	0.17
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	10	0.17
(4,4)	1:105:A:ARG:HB2	1:105:A:ARG:H	3	0.17
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD11	17	0.17
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD12	17	0.17
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD13	17	0.17
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD11	17	0.17
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD12	17	0.17
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD13	17	0.17
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	18	0.17
(2,3138)	1:98:A:PHE:H	1:97:A:GLU:HG2	1	0.17
(2,3110)	1:77:A:ARG:HA	1:77:A:ARG:HD2	5	0.17
(2,3084)	1:148:A:LYS:H	1:148:A:LYS:HB2	3	0.17
(2,2963)	1:79:A:MET:HA	1:78:A:VAL:HB	4	0.17
(2,2963)	1:79:A:MET:HA	1:78:A:VAL:HB	12	0.17
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	1	0.17
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	1	0.17
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	1	0.17
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	8	0.17
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	8	0.17
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	8	0.17
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	10	0.17
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	10	0.17
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	10	0.17
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	14	0.17
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	14	0.17
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	14	0.17
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	16	0.17
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	16	0.17
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	16	0.17
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	18	0.17
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	18	0.17
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	8	0.17
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	11	0.17
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	4	0.17
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	8	0.17
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	12	0.17
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	15	0.17
(2,2591)	1:34:A:PRO:HD2	1:34:A:PRO:HB3	16	0.17
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	1	0.17
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	3	0.17
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	5	0.17
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	6	0.17
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	8	0.17
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	10	0.17
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	11	0.17
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	12	0.17
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	15	0.17
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	17	0.17
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	19	0.17
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	20	0.17
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	12	0.17
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	12	0.17
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	12	0.17
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	6	0.17
(2,2297)	1:167:A:ARG:HB3	1:167:A:ARG:HD3	15	0.17
(2,2209)	1:107:A:PRO:HD3	1:106:A:ASN:H	11	0.17
(2,2192)	1:77:A:ARG:HG2	1:77:A:ARG:HB2	13	0.17
(2,2059)	1:34:A:PRO:HB2	1:34:A:PRO:HA	18	0.17
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	2	0.17
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	15	0.17
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	17	0.17
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	19	0.17
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	3	0.17
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	10	0.17
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	3	0.17
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	13	0.17
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	19	0.17
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	2	0.17
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	6	0.17
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	7	0.17
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	11	0.17
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	17	0.17
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	18	0.17
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	5	0.17
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	10	0.17
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	11	0.17
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	14	0.17
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	17	0.17
(2,1792)	1:34:A:PRO:HD2	1:34:A:PRO:HA	20	0.17
(2,1777)	1:15:A:LEU:HD11	1:15:A:LEU:HA	14	0.17
(2,1777)	1:15:A:LEU:HD12	1:15:A:LEU:HA	14	0.17
(2,1777)	1:15:A:LEU:HD13	1:15:A:LEU:HA	14	0.17
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	1	0.17
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	2	0.17
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	3	0.17
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	4	0.17
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	5	0.17
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	7	0.17
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	8	0.17
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	9	0.17
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	15	0.17
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	16	0.17
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	17	0.17
(2,1536)	1:15:A:LEU:HA	1:15:A:LEU:HB3	19	0.17
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	16	0.17
(2,1500)	1:130:A:ASN:HB2	1:129:A:ASN:H	18	0.17
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	14	0.17
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	20	0.17
(2,1231)	1:167:A:ARG:HD3	1:167:A:ARG:HA	15	0.17
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	1	0.17
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	1	0.17
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	1	0.17
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	8	0.17
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	8	0.17
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	8	0.17
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	11	0.17
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	14	0.17
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	20	0.17
(2,1177)	1:167:A:ARG:HD3	1:167:A:ARG:HA	10	0.17
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	3	0.17
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	8	0.17
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	8	0.17
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	16	0.17
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	19	0.17
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	19	0.17
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	6	0.17
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	11	0.17
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	12	0.17
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	17	0.17
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	3	0.17
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	3	0.17
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	3	0.17
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	4	0.17
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	4	0.17
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	4	0.17
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	15	0.17
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	15	0.17
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	15	0.17
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	5	0.17
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	3	0.17
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	12	0.17
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	14	0.17
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	18	0.17
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	20	0.17
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	16	0.17
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	16	0.17
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	16	0.17
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	7	0.17
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	7	0.17
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	7	0.17
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	18	0.17
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	18	0.17
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	18	0.17
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	11	0.17
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	7	0.17
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	14	0.17
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	14	0.17
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	14	0.17
(2,613)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	5	0.17
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	18	0.17
(2,489)	1:80:A:LYS:HE3	1:81:A:THR:H	13	0.17
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	13	0.17
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	13	0.17
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	13	0.17
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	18	0.17
(2,325)	1:94:A:PRO:HA	1:95:A:THR:H	19	0.17
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	2	0.17
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	3	0.17
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	8	0.17
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	14	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	1	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	1	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	1	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	4	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	4	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	4	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	7	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	7	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	7	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	13	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	13	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	13	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	17	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	17	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	17	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	19	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	19	0.17
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	19	0.17
(2,163)	1:153:A:LEU:HG	1:153:A:LEU:HA	14	0.17
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	1	0.17
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	2	0.17
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	3	0.17
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	4	0.17
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	5	0.17
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	7	0.17
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	8	0.17
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	9	0.17
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	12	0.17
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	13	0.17
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	14	0.17
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	18	0.17
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	18	0.17
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	19	0.17
(1,44)	1:118:A:LEU:HD11	1:123:A:TYR:HB3	11	0.17
(1,44)	1:118:A:LEU:HD12	1:123:A:TYR:HB3	11	0.17
(1,44)	1:118:A:LEU:HD13	1:123:A:TYR:HB3	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD11	5	0.17
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD12	5	0.17
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD13	5	0.17
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD11	5	0.17
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD12	5	0.17
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD13	5	0.17
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD11	5	0.17
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD12	5	0.17
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD13	5	0.17
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD11	15	0.17
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD12	15	0.17
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD13	15	0.17
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD11	15	0.17
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD12	15	0.17
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD13	15	0.17
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD11	15	0.17
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD12	15	0.17
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD13	15	0.17
(1,37)	1:138:A:VAL:HG11	1:87:A:GLY:HA3	2	0.17
(1,37)	1:138:A:VAL:HG12	1:87:A:GLY:HA3	2	0.17
(1,37)	1:138:A:VAL:HG13	1:87:A:GLY:HA3	2	0.17
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD11	13	0.17
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD12	13	0.17
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD13	13	0.17
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	5	0.17
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	5	0.17
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	5	0.17
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	10	0.17
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	10	0.17
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	10	0.17
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	15	0.17
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	15	0.17
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	15	0.17
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	1	0.17
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	1	0.17
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	1	0.17
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	1	0.17
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	1	0.17
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	1	0.17
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	17	0.17
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	17	0.17
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	18	0.17
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	18	0.17
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	18	0.17
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	2	0.16
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	20	0.16
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	2	0.16
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	2	0.16
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	8	0.16
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	2	0.16
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	8	0.16
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	20	0.16
(4,1478)	1:148:A:LYS:HG3	1:148:A:LYS:H	19	0.16
(4,1472)	1:108:A:GLY:H	1:107:A:PRO:HG2	11	0.16
(4,1439)	1:122:A:HIS:H	1:121:A:GLN:H	16	0.16
(4,1375)	1:46:A:ILE:H	1:46:A:ILE:HG12	7	0.16
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	5	0.16
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	4	0.16
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	15	0.16
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	18	0.16
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	20	0.16
(4,1332)	1:136:A:LYS:HD2	1:136:A:LYS:H	6	0.16
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	5	0.16
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	6	0.16
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	10	0.16
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	16	0.16
(4,1311)	1:29:A:LEU:HG	1:29:A:LEU:H	13	0.16
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	4	0.16
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	7	0.16
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	10	0.16
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	16	0.16
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	19	0.16
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	17	0.16
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	8	0.16
(4,1292)	1:116:A:LEU:HG	1:117:A:SER:H	12	0.16
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	9	0.16
(4,1256)	1:117:A:SER:HB3	1:118:A:LEU:H	20	0.16
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	2	0.16
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	14	0.16
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	20	0.16
(4,1227)	1:111:A:PHE:HA	1:112:A:GLY:H	13	0.16
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	11	0.16
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	11	0.16
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	6	0.16
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	18	0.16
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	2	0.16
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	2	0.16
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	2	0.16
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	16	0.16
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	16	0.16
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	16	0.16
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	11	0.16
(4,1198)	1:104:A:GLN:H	1:104:A:GLN:HA	18	0.16
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	16	0.16
(4,1153)	1:89:A:ILE:HG12	1:89:A:ILE:H	10	0.16
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	6	0.16
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	6	0.16
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	10	0.16
(4,1119)	1:140:A:LYS:H	1:140:A:LYS:HD2	7	0.16
(4,1119)	1:140:A:LYS:H	1:140:A:LYS:HD2	10	0.16
(4,1119)	1:140:A:LYS:H	1:140:A:LYS:HD2	16	0.16
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	1	0.16
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	6	0.16
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	16	0.16
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	14	0.16
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	18	0.16
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	12	0.16
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	14	0.16
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	8	0.16
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	10	0.16
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	19	0.16
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	19	0.16
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	19	0.16
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	3	0.16
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	5	0.16
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	16	0.16
(4,879)	1:34:A:PRO:HG2	1:35:A:SER:H	2	0.16
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	17	0.16
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	16	0.16
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	4	0.16
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	5	0.16
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	9	0.16
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	17	0.16
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	3	0.16
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	3	0.16
(4,777)	1:29:A:LEU:HD21	1:30:A:LEU:H	5	0.16
(4,777)	1:29:A:LEU:HD22	1:30:A:LEU:H	5	0.16
(4,777)	1:29:A:LEU:HD23	1:30:A:LEU:H	5	0.16
(4,777)	1:29:A:LEU:HD21	1:30:A:LEU:H	6	0.16
(4,777)	1:29:A:LEU:HD22	1:30:A:LEU:H	6	0.16
(4,777)	1:29:A:LEU:HD23	1:30:A:LEU:H	6	0.16
(4,777)	1:29:A:LEU:HD21	1:30:A:LEU:H	17	0.16
(4,777)	1:29:A:LEU:HD22	1:30:A:LEU:H	17	0.16
(4,777)	1:29:A:LEU:HD23	1:30:A:LEU:H	17	0.16
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	7	0.16
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	11	0.16
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	18	0.16
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	19	0.16
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	5	0.16
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	9	0.16
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	17	0.16
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	19	0.16
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	6	0.16
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	20	0.16
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	6	0.16
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	5	0.16
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	5	0.16
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	5	0.16
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	6	0.16
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	6	0.16
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	6	0.16
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	12	0.16
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	12	0.16
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	12	0.16
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	6	0.16
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	7	0.16
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	12	0.16
(4,616)	1:11:A:GLN:HE21	1:11:A:GLN:HE22	20	0.16
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	16	0.16
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	7	0.16
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	7	0.16
(4,538)	1:79:A:MET:HB2	1:80:A:LYS:H	9	0.16
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	7	0.16
(4,486)	1:40:A:LEU:HD21	1:41:A:THR:H	13	0.16
(4,486)	1:40:A:LEU:HD22	1:41:A:THR:H	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,486)	1:40:A:LEU:HD23	1:41:A:THR:H	13	0.16
(4,486)	1:40:A:LEU:HD11	1:41:A:THR:H	13	0.16
(4,486)	1:40:A:LEU:HD12	1:41:A:THR:H	13	0.16
(4,486)	1:40:A:LEU:HD13	1:41:A:THR:H	13	0.16
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	9	0.16
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	16	0.16
(4,460)	1:16:A:ASN:HB2	1:16:A:ASN:HD21	5	0.16
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	13	0.16
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	4	0.16
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	7	0.16
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	17	0.16
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	2	0.16
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	11	0.16
(4,433)	1:162:A:ARG:HB3	1:162:A:ARG:H	6	0.16
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD11	17	0.16
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD12	17	0.16
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD13	17	0.16
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	2	0.16
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	7	0.16
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	10	0.16
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG11	12	0.16
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG12	12	0.16
(4,380)	1:64:A:SER:H	1:63:A:VAL:HG13	12	0.16
(4,322)	1:149:A:ASP:H	1:150:A:VAL:H	14	0.16
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	13	0.16
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	13	0.16
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	17	0.16
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	17	0.16
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	5	0.16
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	4	0.16
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	4	0.16
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	4	0.16
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	13	0.16
(4,270)	1:92:A:GLN:HB2	1:93:A:THR:H	2	0.16
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	13	0.16
(4,231)	1:120:A:LYS:HB3	1:120:A:LYS:H	9	0.16
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	5	0.16
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	4	0.16
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	20	0.16
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	2	0.16
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	4	0.16
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	11	0.16
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	13	0.16
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	14	0.16
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	17	0.16
(4,108)	1:77:A:ARG:HB3	1:78:A:VAL:H	10	0.16
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	9	0.16
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	15	0.16
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	14	0.16
(4,61)	1:123:A:TYR:HA	1:123:A:TYR:H	17	0.16
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	11	0.16
(4,48)	1:30:A:LEU:H	1:29:A:LEU:H	12	0.16
(4,31)	1:117:A:SER:H	1:102:A:ASN:HB3	14	0.16
(4,19)	1:68:A:LYS:H	1:68:A:LYS:HD2	2	0.16
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	16	0.16
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	17	0.16
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD11	13	0.16
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD12	13	0.16
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD13	13	0.16
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD11	13	0.16
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD12	13	0.16
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD13	13	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	1	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	2	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	3	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	4	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	5	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	6	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	7	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	8	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	9	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	10	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	11	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	12	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	13	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	14	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	15	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	16	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	17	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	19	0.16
(3,39)	1:115:A:TRP:HD1	1:115:A:TRP:HE1	20	0.16
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD11	5	0.16
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD12	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,37)	1:123:A:TYR:HE1	1:165:A:ILE:HD13	5	0.16
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD11	5	0.16
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD12	5	0.16
(3,37)	1:123:A:TYR:HE2	1:165:A:ILE:HD13	5	0.16
(3,6)	1:5:A:LEU:HD11	1:22:A:PHE:HZ	5	0.16
(3,6)	1:5:A:LEU:HD12	1:22:A:PHE:HZ	5	0.16
(3,6)	1:5:A:LEU:HD13	1:22:A:PHE:HZ	5	0.16
(2,3199)	1:80:A:LYS:HE2	1:81:A:THR:H	14	0.16
(2,3070)	1:148:A:LYS:H	1:147:A:ASN:HB3	20	0.16
(2,2916)	1:44:A:GLN:HG2	1:44:A:GLN:HA	7	0.16
(2,2864)	1:2:A:ARG:HB2	1:2:A:ARG:HD3	12	0.16
(2,2805)	1:144:A:ARG:HD3	1:144:A:ARG:HA	12	0.16
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	2	0.16
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	2	0.16
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	2	0.16
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	6	0.16
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	6	0.16
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	6	0.16
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	12	0.16
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	12	0.16
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	12	0.16
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	15	0.16
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	15	0.16
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	15	0.16
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	19	0.16
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	19	0.16
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	19	0.16
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	20	0.16
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	20	0.16
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	20	0.16
(2,2687)	1:17:A:SER:H	1:18:A:ILE:HA	9	0.16
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	11	0.16
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	3	0.16
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	6	0.16
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	7	0.16
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	10	0.16
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	13	0.16
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	15	0.16
(2,2530)	1:34:A:PRO:HD2	1:34:A:PRO:HA	14	0.16
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	12	0.16
(2,2419)	1:121:A:GLN:HG2	1:121:A:GLN:HE22	18	0.16
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	9	0.16
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	11	0.16
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	5	0.16
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	1	0.16
(2,2050)	1:105:A:ARG:HG2	1:105:A:ARG:HD3	16	0.16
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	1	0.16
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	5	0.16
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	6	0.16
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	7	0.16
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	8	0.16
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	9	0.16
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	12	0.16
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	16	0.16
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	17	0.16
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	19	0.16
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	20	0.16
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	3	0.16
(2,1890)	1:35:A:SER:HB3	1:35:A:SER:HA	4	0.16
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	12	0.16
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	13	0.16
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	2	0.16
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	2	0.16
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	2	0.16
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	7	0.16
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	7	0.16
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	7	0.16
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	13	0.16
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	13	0.16
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	13	0.16
(2,1784)	1:77:A:ARG:HG3	1:77:A:ARG:HA	16	0.16
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	20	0.16
(2,1619)	1:72:A:LEU:HB2	1:80:A:LYS:H	19	0.16
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	17	0.16
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	2	0.16
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	7	0.16
(2,1289)	1:83:A:PRO:HD3	1:83:A:PRO:HA	12	0.16
(2,1185)	1:11:A:GLN:HG3	1:11:A:GLN:HB3	17	0.16
(2,1163)	1:44:A:GLN:HB2	1:45:A:SER:H	3	0.16
(2,1127)	1:120:A:LYS:HG2	1:120:A:LYS:HA	8	0.16
(2,1101)	1:158:A:PRO:HD3	1:158:A:PRO:HA	9	0.16
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	14	0.16
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	13	0.16
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	19	0.16
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	10	0.16
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	10	0.16
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	10	0.16
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	11	0.16
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	11	0.16
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	11	0.16
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	19	0.16
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	1	0.16
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	5	0.16
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	6	0.16
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	8	0.16
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	9	0.16
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	10	0.16
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	11	0.16
(2,839)	1:105:A:ARG:HG3	1:105:A:ARG:HD3	13	0.16
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	5	0.16
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	5	0.16
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	5	0.16
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	9	0.16
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	9	0.16
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	9	0.16
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	13	0.16
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	13	0.16
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	13	0.16
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	13	0.16
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	13	0.16
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	13	0.16
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	2	0.16
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	9	0.16
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	19	0.16
(2,648)	1:80:A:LYS:HE2	1:80:A:LYS:HA	3	0.16
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	10	0.16
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	10	0.16
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	10	0.16
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	12	0.16
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	12	0.16
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	12	0.16
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	16	0.16
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	16	0.16
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	6	0.16
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	16	0.16
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	3	0.16
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	3	0.16
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	3	0.16
(2,325)	1:94:A:PRO:HA	1:95:A:THR:H	1	0.16
(2,317)	1:115:A:TRP:HB2	1:104:A:GLN:H	14	0.16
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	1	0.16
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	6	0.16
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	9	0.16
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	10	0.16
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	11	0.16
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	12	0.16
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	15	0.16
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	17	0.16
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	18	0.16
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	20	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	2	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	2	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	2	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	3	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	3	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	3	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	5	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	5	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	5	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	8	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	8	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	8	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	9	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	9	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	9	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	10	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	10	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	10	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	11	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	11	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	11	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	14	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	14	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	14	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	16	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	16	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	18	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	18	0.16
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	18	0.16
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	10	0.16
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	11	0.16
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	17	0.16
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	19	0.16
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	4	0.16
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	6	0.16
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	10	0.16
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	15	0.16
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD11	4	0.16
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD12	4	0.16
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD13	4	0.16
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD11	4	0.16
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD12	4	0.16
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD13	4	0.16
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD11	4	0.16
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD12	4	0.16
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD13	4	0.16
(4,1530)	1:167:A:ARG:HG3	1:167:A:ARG:H	5	0.15
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	8	0.15
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	11	0.15
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	9	0.15
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	11	0.15
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	14	0.15
(4,1485)	1:72:A:LEU:HB3	1:72:A:LEU:H	16	0.15
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	13	0.15
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	12	0.15
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	1	0.15
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	2	0.15
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	8	0.15
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	14	0.15
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	20	0.15
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	3	0.15
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	16	0.15
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	9	0.15
(4,1320)	1:119:A:SER:HB3	1:120:A:LYS:H	20	0.15
(4,1317)	1:152:A:GLU:HG3	1:152:A:GLU:H	11	0.15
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	14	0.15
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	3	0.15
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	5	0.15
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	6	0.15
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	8	0.15
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	9	0.15
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	11	0.15
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	13	0.15
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	14	0.15
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	15	0.15
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	18	0.15
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	20	0.15
(4,1294)	1:105:A:ARG:HD3	1:105:A:ARG:H	16	0.15
(4,1292)	1:116:A:LEU:HG	1:117:A:SER:H	5	0.15
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	9	0.15
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB1	6	0.15
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB2	6	0.15
(4,1267)	1:20:A:ALA:H	1:20:A:ALA:HB3	6	0.15
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	3	0.15
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	6	0.15
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	14	0.15
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	10	0.15
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	13	0.15
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	14	0.15
(4,1260)	1:18:A:ILE:HG13	1:18:A:ILE:H	20	0.15
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	2	0.15
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	8	0.15
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	4	0.15
(4,1204)	1:105:A:ARG:HD3	1:106:A:ASN:H	14	0.15
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	8	0.15
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	8	0.15
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	8	0.15
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	7	0.15
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	15	0.15
(4,1145)	1:31:A:GLN:HB2	1:32:A:ALA:H	3	0.15
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	3	0.15
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	14	0.15
(4,1097)	1:15:A:LEU:HD11	1:26:A:THR:H	18	0.15
(4,1097)	1:15:A:LEU:HD12	1:26:A:THR:H	18	0.15
(4,1097)	1:15:A:LEU:HD13	1:26:A:THR:H	18	0.15
(4,1076)	1:61:A:ILE:H	1:61:A:ILE:HG13	17	0.15
(4,1043)	1:86:A:VAL:HB	1:86:A:VAL:H	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	12	0.15
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	15	0.15
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	19	0.15
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	16	0.15
(4,1027)	1:99:A:TYR:HD1	1:99:A:TYR:H	10	0.15
(4,1027)	1:99:A:TYR:HD2	1:99:A:TYR:H	10	0.15
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	11	0.15
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	13	0.15
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	20	0.15
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	3	0.15
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	7	0.15
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	14	0.15
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	15	0.15
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	16	0.15
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	20	0.15
(4,901)	1:108:A:GLY:H	1:107:A:PRO:HB3	5	0.15
(4,899)	1:40:A:LEU:HD21	1:40:A:LEU:H	7	0.15
(4,899)	1:40:A:LEU:HD22	1:40:A:LEU:H	7	0.15
(4,899)	1:40:A:LEU:HD23	1:40:A:LEU:H	7	0.15
(4,899)	1:40:A:LEU:HD11	1:40:A:LEU:H	7	0.15
(4,899)	1:40:A:LEU:HD12	1:40:A:LEU:H	7	0.15
(4,899)	1:40:A:LEU:HD13	1:40:A:LEU:H	7	0.15
(4,879)	1:34:A:PRO:HG2	1:35:A:SER:H	4	0.15
(4,836)	1:3:A:LYS:HB3	1:4:A:LEU:H	11	0.15
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	3	0.15
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	5	0.15
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	20	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	3	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	4	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	5	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	6	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	7	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	8	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	9	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	10	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	11	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	12	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	14	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	15	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	16	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	17	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	19	0.15
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	20	0.15
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	6	0.15
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	8	0.15
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	10	0.15
(4,809)	1:99:A:TYR:H	1:98:A:PHE:HA	5	0.15
(4,777)	1:29:A:LEU:HD21	1:30:A:LEU:H	2	0.15
(4,777)	1:29:A:LEU:HD22	1:30:A:LEU:H	2	0.15
(4,777)	1:29:A:LEU:HD23	1:30:A:LEU:H	2	0.15
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	5	0.15
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	9	0.15
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	19	0.15
(4,746)	1:88:A:LYS:HG2	1:88:A:LYS:H	13	0.15
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	1	0.15
(4,736)	1:18:A:ILE:HG13	1:19:A:ALA:H	8	0.15
(4,733)	1:34:A:PRO:HD3	1:35:A:SER:H	18	0.15
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	1	0.15
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	2	0.15
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	3	0.15
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	4	0.15
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	6	0.15
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	7	0.15
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	8	0.15
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	12	0.15
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	11	0.15
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	17	0.15
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	7	0.15
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	7	0.15
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	7	0.15
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	8	0.15
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	8	0.15
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	8	0.15
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	4	0.15
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	14	0.15
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	14	0.15
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	14	0.15
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	12	0.15
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	5	0.15
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	11	0.15
(4,493)	1:30:A:LEU:H	1:29:A:LEU:H	12	0.15
(4,486)	1:40:A:LEU:HD21	1:41:A:THR:H	7	0.15
(4,486)	1:40:A:LEU:HD22	1:41:A:THR:H	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,486)	1:40:A:LEU:HD23	1:41:A:THR:H	7	0.15
(4,486)	1:40:A:LEU:HD11	1:41:A:THR:H	7	0.15
(4,486)	1:40:A:LEU:HD12	1:41:A:THR:H	7	0.15
(4,486)	1:40:A:LEU:HD13	1:41:A:THR:H	7	0.15
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	20	0.15
(4,473)	1:16:A:ASN:HB3	1:16:A:ASN:HD21	8	0.15
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	10	0.15
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	16	0.15
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	17	0.15
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	20	0.15
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	10	0.15
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	11	0.15
(4,450)	1:126:A:HIS:HB3	1:126:A:HIS:H	19	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	1	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	3	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	4	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	5	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	6	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	7	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	8	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	9	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	10	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	11	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	12	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	13	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	14	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	15	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	16	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	17	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	18	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	19	0.15
(4,447)	1:84:A:ILE:HA	1:84:A:ILE:H	20	0.15
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	1	0.15
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	3	0.15
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	7	0.15
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD11	11	0.15
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD12	11	0.15
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD13	11	0.15
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	15	0.15
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	1	0.15
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	8	0.15
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,328)	1:148:A:LYS:HG2	1:149:A:ASP:H	17	0.15
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	13	0.15
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	19	0.15
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	19	0.15
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	11	0.15
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	12	0.15
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	2	0.15
(4,261)	1:88:A:LYS:HB2	1:88:A:LYS:H	2	0.15
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	9	0.15
(4,231)	1:120:A:LYS:HB3	1:120:A:LYS:H	12	0.15
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	1	0.15
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	3	0.15
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	4	0.15
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	6	0.15
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	12	0.15
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	14	0.15
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	15	0.15
(4,145)	1:162:A:ARG:HG3	1:162:A:ARG:H	1	0.15
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	3	0.15
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	5	0.15
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	6	0.15
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	7	0.15
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	8	0.15
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	10	0.15
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	16	0.15
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	18	0.15
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	19	0.15
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	20	0.15
(4,108)	1:77:A:ARG:HB3	1:78:A:VAL:H	15	0.15
(4,77)	1:102:A:ASN:H	1:117:A:SER:HB2	19	0.15
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	13	0.15
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	9	0.15
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	9	0.15
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	10	0.15
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	12	0.15
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	14	0.15
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD11	3	0.15
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD12	3	0.15
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD13	3	0.15
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD11	3	0.15
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD12	3	0.15
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD13	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD11	7	0.15
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD12	7	0.15
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD13	7	0.15
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD11	7	0.15
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD12	7	0.15
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD13	7	0.15
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	20	0.15
(2,2957)	1:79:A:MET:HG2	1:80:A:LYS:H	16	0.15
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	5	0.15
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	5	0.15
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	5	0.15
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	17	0.15
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	17	0.15
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	17	0.15
(2,2762)	1:77:A:ARG:HB2	1:77:A:ARG:HD2	4	0.15
(2,2664)	1:136:A:LYS:HG2	1:136:A:LYS:H	14	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	1	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	2	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	4	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	5	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	8	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	9	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	11	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	12	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	14	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	16	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	19	0.15
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	20	0.15
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	4	0.15
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	7	0.15
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	4	0.15
(2,2464)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	8	0.15
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	3	0.15
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	6	0.15
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	8	0.15
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	18	0.15
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	20	0.15
(2,2273)	1:121:A:GLN:HG3	1:121:A:GLN:HA	8	0.15
(2,2271)	1:107:A:PRO:HD2	1:106:A:ASN:H	11	0.15
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	4	0.15
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	7	0.15
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2106)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	12	0.15
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	4	0.15
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	7	0.15
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	13	0.15
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	18	0.15
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	2	0.15
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	4	0.15
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	10	0.15
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	11	0.15
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	13	0.15
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	14	0.15
(2,1994)	1:33:A:ASN:HB3	1:33:A:ASN:HD22	18	0.15
(2,1967)	1:57:A:ILE:HA	1:57:A:ILE:HG13	9	0.15
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	13	0.15
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	13	0.15
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	13	0.15
(2,1801)	1:51:A:LEU:HB3	1:51:A:LEU:HG	20	0.15
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	8	0.15
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	16	0.15
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	20	0.15
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	20	0.15
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	20	0.15
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	9	0.15
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	16	0.15
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	17	0.15
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	20	0.15
(2,1500)	1:130:A:ASN:HB2	1:129:A:ASN:H	2	0.15
(2,1468)	1:68:A:LYS:HD3	1:68:A:LYS:HE3	11	0.15
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	5	0.15
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	17	0.15
(2,1355)	1:79:A:MET:HG3	1:79:A:MET:HA	14	0.15
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	4	0.15
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	9	0.15
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	16	0.15
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	19	0.15
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	20	0.15
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	14	0.15
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	14	0.15
(2,1082)	1:123:A:TYR:HE1	1:123:A:TYR:HA	17	0.15
(2,1082)	1:123:A:TYR:HE2	1:123:A:TYR:HA	17	0.15
(2,962)	1:10:A:LYS:HE3	1:10:A:LYS:HB2	1	0.15
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	20	0.15
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	1	0.15
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	1	0.15
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	1	0.15
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	17	0.15
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	17	0.15
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	17	0.15
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	2	0.15
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	16	0.15
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	10	0.15
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	10	0.15
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	10	0.15
(2,823)	1:153:A:LEU:HD21	1:153:A:LEU:HA	15	0.15
(2,823)	1:153:A:LEU:HD22	1:153:A:LEU:HA	15	0.15
(2,823)	1:153:A:LEU:HD23	1:153:A:LEU:HA	15	0.15
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	9	0.15
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	9	0.15
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	9	0.15
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	17	0.15
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	18	0.15
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	11	0.15
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	20	0.15
(2,648)	1:80:A:LYS:HE2	1:80:A:LYS:HA	11	0.15
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	14	0.15
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	2	0.15
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	2	0.15
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	2	0.15
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	2	0.15
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	6	0.15
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	9	0.15
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	11	0.15
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	13	0.15
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	15	0.15
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	17	0.15
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	18	0.15
(2,603)	1:2:A:ARG:HB3	1:2:A:ARG:HA	20	0.15
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	3	0.15
(2,486)	1:110:A:PRO:HA	1:112:A:GLY:H	16	0.15
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	10	0.15
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	10	0.15
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	10	0.15
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	14	0.15
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	14	0.15
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	12	0.15
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	12	0.15
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	12	0.15
(2,325)	1:94:A:PRO:HA	1:95:A:THR:H	3	0.15
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	7	0.15
(2,285)	1:77:A:ARG:HG3	1:77:A:ARG:HB2	19	0.15
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	6	0.15
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	6	0.15
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	6	0.15
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	15	0.15
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	15	0.15
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	15	0.15
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD11	20	0.15
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD12	20	0.15
(2,175)	1:24:A:ILE:HA	1:24:A:ILE:HD13	20	0.15
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	13	0.15
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	13	0.15
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	13	0.15
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	13	0.15
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	13	0.15
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	13	0.15
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	15	0.15
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	15	0.15
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	15	0.15
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	15	0.15
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	15	0.15
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	15	0.15
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	20	0.15
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	20	0.15
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	20	0.15
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	20	0.15
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	20	0.15
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	20	0.15
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	11	0.14
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	1	0.14
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	4	0.14
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	5	0.14
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	7	0.14
(4,1472)	1:108:A:GLY:H	1:107:A:PRO:HG2	6	0.14
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	8	0.14
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	9	0.14
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	14	0.14
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	2	0.14
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	18	0.14
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB1	14	0.14
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB2	14	0.14
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB3	14	0.14
(4,1414)	1:166:A:ASN:H	1:166:A:ASN:HD22	13	0.14
(4,1401)	1:79:A:MET:HE1	1:80:A:LYS:H	13	0.14
(4,1401)	1:79:A:MET:HE2	1:80:A:LYS:H	13	0.14
(4,1401)	1:79:A:MET:HE3	1:80:A:LYS:H	13	0.14
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	4	0.14
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	15	0.14
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	16	0.14
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	18	0.14
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	2	0.14
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	17	0.14
(4,1347)	1:3:A:LYS:HA	1:4:A:LEU:H	2	0.14
(4,1347)	1:3:A:LYS:HA	1:4:A:LEU:H	15	0.14
(4,1347)	1:3:A:LYS:HA	1:4:A:LEU:H	18	0.14
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	1	0.14
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	3	0.14
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	4	0.14
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	8	0.14
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	11	0.14
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	13	0.14
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	18	0.14
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	1	0.14
(4,1301)	1:64:A:SER:H	1:64:A:SER:HA	2	0.14
(4,1269)	1:76:A:ASN:HB2	1:77:A:ARG:H	12	0.14
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	11	0.14
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	12	0.14
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	15	0.14
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	16	0.14
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	18	0.14
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	19	0.14
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	1	0.14
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	5	0.14
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	6	0.14
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	9	0.14
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	12	0.14
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	13	0.14
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	14	0.14
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	15	0.14
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	18	0.14
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	20	0.14
(4,1246)	1:65:A:ILE:H	1:65:A:ILE:HB	1	0.14
(4,1223)	1:5:A:LEU:HD21	1:6:A:THR:H	10	0.14
(4,1223)	1:5:A:LEU:HD22	1:6:A:THR:H	10	0.14
(4,1223)	1:5:A:LEU:HD23	1:6:A:THR:H	10	0.14
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	1	0.14
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	1	0.14
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	1	0.14
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	15	0.14
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	15	0.14
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	15	0.14
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	10	0.14
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	18	0.14
(4,1119)	1:140:A:LYS:H	1:140:A:LYS:HD2	13	0.14
(4,1065)	1:53:A:ASP:HB3	1:53:A:ASP:H	5	0.14
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	8	0.14
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	14	0.14
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	6	0.14
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	9	0.14
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	14	0.14
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	2	0.14
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	1	0.14
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	17	0.14
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	2	0.14
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	11	0.14
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	1	0.14
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	5	0.14
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	12	0.14
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	17	0.14
(4,907)	1:80:A:LYS:HG2	1:80:A:LYS:H	20	0.14
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	6	0.14
(4,905)	1:159:A:ASN:HB2	1:159:A:ASN:H	11	0.14
(4,901)	1:108:A:GLY:H	1:107:A:PRO:HB3	6	0.14
(4,898)	1:59:A:TYR:HA	1:60:A:HIS:H	10	0.14
(4,894)	1:6:A:THR:H	1:6:A:THR:HG21	8	0.14
(4,894)	1:6:A:THR:H	1:6:A:THR:HG22	8	0.14
(4,894)	1:6:A:THR:H	1:6:A:THR:HG23	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,888)	1:145:A:MET:HB2	1:145:A:MET:H	12	0.14
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	3	0.14
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	19	0.14
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	7	0.14
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	17	0.14
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	18	0.14
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	1	0.14
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	2	0.14
(4,830)	1:104:A:GLN:HE21	1:104:A:GLN:HE22	13	0.14
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	13	0.14
(4,777)	1:29:A:LEU:HD21	1:30:A:LEU:H	8	0.14
(4,777)	1:29:A:LEU:HD22	1:30:A:LEU:H	8	0.14
(4,777)	1:29:A:LEU:HD23	1:30:A:LEU:H	8	0.14
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	3	0.14
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	4	0.14
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	10	0.14
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	13	0.14
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	20	0.14
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	10	0.14
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	11	0.14
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	13	0.14
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	14	0.14
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	15	0.14
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	16	0.14
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	18	0.14
(4,728)	1:97:A:GLU:H	1:97:A:GLU:HA	20	0.14
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	2	0.14
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	3	0.14
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	7	0.14
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	11	0.14
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	5	0.14
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	8	0.14
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	18	0.14
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	18	0.14
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	18	0.14
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	20	0.14
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	20	0.14
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	20	0.14
(4,703)	1:80:A:LYS:HG2	1:81:A:THR:H	6	0.14
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	4	0.14
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	4	0.14
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	11	0.14
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	11	0.14
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	11	0.14
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	14	0.14
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	14	0.14
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	14	0.14
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	16	0.14
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	16	0.14
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	16	0.14
(4,653)	1:114:A:TYR:HB2	1:114:A:TYR:H	19	0.14
(4,635)	1:122:A:HIS:HB3	1:122:A:HIS:H	2	0.14
(4,630)	1:133:A:SER:HB2	1:134:A:ILE:H	14	0.14
(4,630)	1:133:A:SER:HB2	1:134:A:ILE:H	17	0.14
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	1	0.14
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	1	0.14
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	1	0.14
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	6	0.14
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	13	0.14
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	3	0.14
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	11	0.14
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	1	0.14
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	12	0.14
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	16	0.14
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	2	0.14
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	12	0.14
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	17	0.14
(4,486)	1:40:A:LEU:HD21	1:41:A:THR:H	1	0.14
(4,486)	1:40:A:LEU:HD22	1:41:A:THR:H	1	0.14
(4,486)	1:40:A:LEU:HD23	1:41:A:THR:H	1	0.14
(4,486)	1:40:A:LEU:HD11	1:41:A:THR:H	1	0.14
(4,486)	1:40:A:LEU:HD12	1:41:A:THR:H	1	0.14
(4,486)	1:40:A:LEU:HD13	1:41:A:THR:H	1	0.14
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	15	0.14
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	2	0.14
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	4	0.14
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	8	0.14
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	13	0.14
(4,462)	1:144:A:ARG:HD2	1:145:A:MET:H	19	0.14
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	9	0.14
(4,459)	1:37:A:GLN:H	1:36:A:LEU:HB2	20	0.14
(4,438)	1:13:A:ASP:HB2	1:13:A:ASP:H	20	0.14
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD11	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD12	19	0.14
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD13	19	0.14
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	11	0.14
(4,406)	1:15:A:LEU:H	1:14:A:THR:HA	1	0.14
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	1	0.14
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	6	0.14
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	9	0.14
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	10	0.14
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	2	0.14
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	2	0.14
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	2	0.14
(4,317)	1:89:A:ILE:HD11	1:90:A:LEU:H	11	0.14
(4,317)	1:89:A:ILE:HD12	1:90:A:LEU:H	11	0.14
(4,317)	1:89:A:ILE:HD13	1:90:A:LEU:H	11	0.14
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	11	0.14
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	3	0.14
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	3	0.14
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	2	0.14
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	2	0.14
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	2	0.14
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	9	0.14
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	9	0.14
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	9	0.14
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	10	0.14
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	10	0.14
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	10	0.14
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	13	0.14
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	13	0.14
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	13	0.14
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	17	0.14
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	17	0.14
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	17	0.14
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	14	0.14
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	19	0.14
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	1	0.14
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	17	0.14
(4,231)	1:120:A:LYS:HB3	1:120:A:LYS:H	6	0.14
(4,214)	1:99:A:TYR:HB3	1:100:A:ILE:H	4	0.14
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	4	0.14
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	15	0.14
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	16	0.14
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	7	0.14
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	19	0.14
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	12	0.14
(4,122)	1:92:A:GLN:HG3	1:93:A:THR:H	6	0.14
(4,120)	1:113:A:ALA:H	1:113:A:ALA:HA	17	0.14
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	1	0.14
(4,112)	1:150:A:VAL:HA	1:150:A:VAL:H	15	0.14
(4,108)	1:77:A:ARG:HB3	1:78:A:VAL:H	9	0.14
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	16	0.14
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	3	0.14
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	7	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	1	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	2	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	3	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	4	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	5	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	6	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	7	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	8	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	11	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	13	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	15	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	16	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	17	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	18	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	19	0.14
(4,63)	1:63:A:VAL:HA	1:63:A:VAL:H	20	0.14
(4,43)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	9	0.14
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	5	0.14
(3,6)	1:5:A:LEU:HD11	1:22:A:PHE:HZ	13	0.14
(3,6)	1:5:A:LEU:HD12	1:22:A:PHE:HZ	13	0.14
(3,6)	1:5:A:LEU:HD13	1:22:A:PHE:HZ	13	0.14
(2,3138)	1:98:A:PHE:H	1:97:A:GLU:HG2	11	0.14
(2,3138)	1:98:A:PHE:H	1:97:A:GLU:HG2	16	0.14
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	7	0.14
(2,2964)	1:105:A:ARG:HD3	1:106:A:ASN:H	19	0.14
(2,2963)	1:79:A:MET:HA	1:78:A:VAL:HB	16	0.14
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	4	0.14
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	4	0.14
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	4	0.14
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	13	0.14
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	13	0.14
(2,2554)	1:3:A:LYS:HB2	1:3:A:LYS:HA	17	0.14
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	11	0.14
(2,2442)	1:120:A:LYS:HG2	1:121:A:GLN:H	8	0.14
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	20	0.14
(2,2347)	1:167:A:ARG:HG3	1:167:A:ARG:HA	15	0.14
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	13	0.14
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	13	0.14
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	13	0.14
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	13	0.14
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	15	0.14
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	19	0.14
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	17	0.14
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	10	0.14
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	2	0.14
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	13	0.14
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	6	0.14
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	2	0.14
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	4	0.14
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	11	0.14
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	14	0.14
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	15	0.14
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	17	0.14
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	19	0.14
(2,1870)	1:80:A:LYS:HG2	1:80:A:LYS:HE2	20	0.14
(2,1824)	1:5:A:LEU:HD21	1:54:A:PRO:HD2	19	0.14
(2,1824)	1:5:A:LEU:HD22	1:54:A:PRO:HD2	19	0.14
(2,1824)	1:5:A:LEU:HD23	1:54:A:PRO:HD2	19	0.14
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	10	0.14
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	8	0.14
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	8	0.14
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	8	0.14
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	17	0.14
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	17	0.14
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	17	0.14
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	18	0.14
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	18	0.14
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	18	0.14
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	18	0.14
(2,1673)	1:104:A:GLN:HG3	1:115:A:TRP:H	10	0.14
(2,1619)	1:72:A:LEU:HB2	1:80:A:LYS:H	16	0.14
(2,1619)	1:72:A:LEU:HB2	1:80:A:LYS:H	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1519)	1:112:A:GLY:HA3	1:113:A:ALA:H	4	0.14
(2,1500)	1:130:A:ASN:HB2	1:129:A:ASN:H	4	0.14
(2,1497)	1:130:A:ASN:HB3	1:129:A:ASN:H	17	0.14
(2,1423)	1:34:A:PRO:HD3	1:34:A:PRO:HA	18	0.14
(2,1393)	1:120:A:LYS:HG3	1:121:A:GLN:H	13	0.14
(2,1231)	1:167:A:ARG:HD3	1:167:A:ARG:HA	7	0.14
(2,1163)	1:44:A:GLN:HB2	1:45:A:SER:H	19	0.14
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	3	0.14
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	5	0.14
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	6	0.14
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	7	0.14
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	8	0.14
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	10	0.14
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	11	0.14
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	12	0.14
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	15	0.14
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	17	0.14
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	18	0.14
(2,1027)	1:72:A:LEU:HD21	1:72:A:LEU:HA	11	0.14
(2,1027)	1:72:A:LEU:HD22	1:72:A:LEU:HA	11	0.14
(2,1027)	1:72:A:LEU:HD23	1:72:A:LEU:HA	11	0.14
(2,924)	1:57:A:ILE:HA	1:57:A:ILE:HG13	9	0.14
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	8	0.14
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	8	0.14
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	8	0.14
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	15	0.14
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	15	0.14
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	15	0.14
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	6	0.14
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	9	0.14
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	12	0.14
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	18	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	1	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	2	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	3	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	4	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	5	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	6	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	7	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	8	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	10	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	15	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	16	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	17	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	18	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	19	0.14
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	20	0.14
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	1	0.14
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	1	0.14
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	1	0.14
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	4	0.14
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	5	0.14
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	8	0.14
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	10	0.14
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	12	0.14
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	13	0.14
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	16	0.14
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	19	0.14
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	13	0.14
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	18	0.14
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	18	0.14
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	18	0.14
(2,410)	1:15:A:LEU:HD21	1:15:A:LEU:HB3	20	0.14
(2,410)	1:15:A:LEU:HD22	1:15:A:LEU:HB3	20	0.14
(2,410)	1:15:A:LEU:HD23	1:15:A:LEU:HB3	20	0.14
(2,325)	1:94:A:PRO:HA	1:95:A:THR:H	11	0.14
(2,162)	1:52:A:PRO:HD3	1:52:A:PRO:HB2	20	0.14
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD11	6	0.14
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD12	6	0.14
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD13	6	0.14
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD11	6	0.14
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD12	6	0.14
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD13	6	0.14
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD11	6	0.14
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD12	6	0.14
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD13	6	0.14
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD11	11	0.14
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD12	11	0.14
(1,29)	1:122:A:HIS:HB3	1:89:A:ILE:HD13	11	0.14
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	2	0.14
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	2	0.14
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	2	0.14
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	2	0.14
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	2	0.14
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	9	0.14
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	9	0.14
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	9	0.14
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	9	0.14
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	9	0.14
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	9	0.14
(4,1553)	1:10:A:LYS:HA	1:11:A:GLN:H	7	0.13
(4,1553)	1:10:A:LYS:HA	1:11:A:GLN:H	13	0.13
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	6	0.13
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	4	0.13
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	7	0.13
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	11	0.13
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	16	0.13
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	17	0.13
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	18	0.13
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	19	0.13
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	8	0.13
(4,1509)	1:92:A:GLN:HA	1:92:A:GLN:H	18	0.13
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	2	0.13
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	3	0.13
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	5	0.13
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	7	0.13
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	10	0.13
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	11	0.13
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	15	0.13
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	16	0.13
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	19	0.13
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	20	0.13
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	10	0.13
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	7	0.13
(4,1436)	1:152:A:GLU:HG2	1:153:A:LEU:H	16	0.13
(4,1430)	1:140:A:LYS:HB2	1:141:A:GLY:H	2	0.13
(4,1430)	1:140:A:LYS:HB2	1:141:A:GLY:H	5	0.13
(4,1415)	1:3:A:LYS:HG3	1:3:A:LYS:H	11	0.13
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	7	0.13
(4,1363)	1:16:A:ASN:H	1:15:A:LEU:HB2	5	0.13
(4,1347)	1:3:A:LYS:HA	1:4:A:LEU:H	3	0.13
(4,1347)	1:3:A:LYS:HA	1:4:A:LEU:H	7	0.13
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	17	0.13
(4,1314)	1:134:A:ILE:H	1:134:A:ILE:HB	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1296)	1:73:A:SER:H	1:73:A:SER:HB3	12	0.13
(4,1280)	1:58:A:PRO:HG2	1:59:A:TYR:H	19	0.13
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	4	0.13
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	5	0.13
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	17	0.13
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	3	0.13
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	4	0.13
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	7	0.13
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	10	0.13
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	16	0.13
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	17	0.13
(4,1257)	1:105:A:ARG:H	1:105:A:ARG:HA	19	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	1	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	2	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	3	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	4	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	5	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	6	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	7	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	8	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	9	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	10	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	11	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	12	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	13	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	14	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	15	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	16	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	17	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	18	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	19	0.13
(4,1252)	1:8:A:GLN:HE21	1:8:A:GLN:HE22	20	0.13
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	6	0.13
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	6	0.13
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	6	0.13
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	18	0.13
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	18	0.13
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	18	0.13
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	5	0.13
(4,1105)	1:74:A:LEU:H	1:73:A:SER:HB2	11	0.13
(4,1097)	1:15:A:LEU:HD11	1:26:A:THR:H	20	0.13
(4,1097)	1:15:A:LEU:HD12	1:26:A:THR:H	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1097)	1:15:A:LEU:HD13	1:26:A:THR:H	20	0.13
(4,1078)	1:136:A:LYS:HG3	1:137:A:ALA:H	2	0.13
(4,1078)	1:136:A:LYS:HG3	1:137:A:ALA:H	19	0.13
(4,1072)	1:102:A:ASN:HA	1:103:A:ARG:H	20	0.13
(4,1065)	1:53:A:ASP:HB3	1:53:A:ASP:H	16	0.13
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	2	0.13
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	7	0.13
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	10	0.13
(4,1033)	1:6:A:THR:H	1:5:A:LEU:HB2	11	0.13
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	2	0.13
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	7	0.13
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	18	0.13
(4,1015)	1:65:A:ILE:H	1:66:A:GLY:H	1	0.13
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	3	0.13
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	7	0.13
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	8	0.13
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	9	0.13
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	16	0.13
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	6	0.13
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	6	0.13
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	6	0.13
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	15	0.13
(4,897)	1:113:A:ALA:H	1:112:A:GLY:H	19	0.13
(4,894)	1:6:A:THR:H	1:6:A:THR:HG21	13	0.13
(4,894)	1:6:A:THR:H	1:6:A:THR:HG22	13	0.13
(4,894)	1:6:A:THR:H	1:6:A:THR:HG23	13	0.13
(4,879)	1:34:A:PRO:HG2	1:35:A:SER:H	10	0.13
(4,879)	1:34:A:PRO:HG2	1:35:A:SER:H	20	0.13
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	2	0.13
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	5	0.13
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	6	0.13
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	7	0.13
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	9	0.13
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	10	0.13
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	13	0.13
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	14	0.13
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	16	0.13
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	19	0.13
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	20	0.13
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	5	0.13
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	1	0.13
(4,819)	1:80:A:LYS:HB3	1:81:A:THR:H	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	3	0.13
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	16	0.13
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	20	0.13
(4,797)	1:46:A:ILE:HD11	1:47:A:VAL:H	7	0.13
(4,797)	1:46:A:ILE:HD12	1:47:A:VAL:H	7	0.13
(4,797)	1:46:A:ILE:HD13	1:47:A:VAL:H	7	0.13
(4,777)	1:29:A:LEU:HD21	1:30:A:LEU:H	3	0.13
(4,777)	1:29:A:LEU:HD22	1:30:A:LEU:H	3	0.13
(4,777)	1:29:A:LEU:HD23	1:30:A:LEU:H	3	0.13
(4,777)	1:29:A:LEU:HD21	1:30:A:LEU:H	19	0.13
(4,777)	1:29:A:LEU:HD22	1:30:A:LEU:H	19	0.13
(4,777)	1:29:A:LEU:HD23	1:30:A:LEU:H	19	0.13
(4,764)	1:44:A:GLN:HG2	1:44:A:GLN:HE21	8	0.13
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	2	0.13
(4,757)	1:4:A:LEU:HA	1:5:A:LEU:H	16	0.13
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	10	0.13
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	13	0.13
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	15	0.13
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	17	0.13
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	18	0.13
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	19	0.13
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	9	0.13
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	14	0.13
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	20	0.13
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	6	0.13
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	6	0.13
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	6	0.13
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	13	0.13
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	13	0.13
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	13	0.13
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	15	0.13
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	15	0.13
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	15	0.13
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	18	0.13
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	18	0.13
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	18	0.13
(4,653)	1:114:A:TYR:HB2	1:114:A:TYR:H	17	0.13
(4,619)	1:164:A:THR:HG21	1:165:A:ILE:H	5	0.13
(4,619)	1:164:A:THR:HG22	1:165:A:ILE:H	5	0.13
(4,619)	1:164:A:THR:HG23	1:165:A:ILE:H	5	0.13
(4,612)	1:140:A:LYS:HG3	1:140:A:LYS:H	9	0.13
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	2	0.13
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	6	0.13
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	12	0.13
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	13	0.13
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	17	0.13
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	19	0.13
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	7	0.13
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	7	0.13
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	19	0.13
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	4	0.13
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	10	0.13
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	13	0.13
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	15	0.13
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	20	0.13
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	9	0.13
(4,508)	1:128:A:THR:H	1:127:A:GLY:HA2	15	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	1	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	2	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	6	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	7	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	8	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	10	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	11	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	12	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	13	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	14	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	15	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	17	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	18	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	19	0.13
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	20	0.13
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	5	0.13
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	6	0.13
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	9	0.13
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	4	0.13
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	20	0.13
(4,438)	1:13:A:ASP:HB2	1:13:A:ASP:H	5	0.13
(4,438)	1:13:A:ASP:HB2	1:13:A:ASP:H	13	0.13
(4,438)	1:13:A:ASP:HB2	1:13:A:ASP:H	19	0.13
(4,433)	1:162:A:ARG:HB3	1:162:A:ARG:H	15	0.13
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD11	3	0.13
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD12	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD13	3	0.13
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD11	16	0.13
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD12	16	0.13
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD13	16	0.13
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD11	20	0.13
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD12	20	0.13
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD13	20	0.13
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	2	0.13
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	3	0.13
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	19	0.13
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	3	0.13
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	17	0.13
(4,406)	1:15:A:LEU:H	1:14:A:THR:HA	9	0.13
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	6	0.13
(4,384)	1:164:A:THR:HB	1:164:A:THR:H	19	0.13
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	4	0.13
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	7	0.13
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	12	0.13
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	18	0.13
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	20	0.13
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	1	0.13
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	5	0.13
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	9	0.13
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	10	0.13
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	12	0.13
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	13	0.13
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	16	0.13
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	17	0.13
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	18	0.13
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	20	0.13
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	10	0.13
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	10	0.13
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	1	0.13
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	1	0.13
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	1	0.13
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	3	0.13
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	3	0.13
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	3	0.13
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	6	0.13
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	6	0.13
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	6	0.13
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	15	0.13
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	15	0.13
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	11	0.13
(4,214)	1:99:A:TYR:HB3	1:100:A:ILE:H	5	0.13
(4,214)	1:99:A:TYR:HB3	1:100:A:ILE:H	10	0.13
(4,214)	1:99:A:TYR:HB3	1:100:A:ILE:H	13	0.13
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	1	0.13
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	10	0.13
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	16	0.13
(4,174)	1:148:A:LYS:H	1:147:A:ASN:HD22	9	0.13
(4,138)	1:129:A:ASN:HA	1:130:A:ASN:H	12	0.13
(4,108)	1:77:A:ARG:HB3	1:78:A:VAL:H	2	0.13
(4,108)	1:77:A:ARG:HB3	1:78:A:VAL:H	7	0.13
(4,87)	1:80:A:LYS:HD2	1:80:A:LYS:H	4	0.13
(4,77)	1:102:A:ASN:H	1:117:A:SER:HB2	4	0.13
(4,77)	1:102:A:ASN:H	1:117:A:SER:HB2	20	0.13
(4,68)	1:120:A:LYS:HB2	1:120:A:LYS:H	4	0.13
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	3	0.13
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	11	0.13
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	17	0.13
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	2	0.13
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	8	0.13
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	14	0.13
(4,62)	1:56:A:THR:H	1:55:A:TYR:HB2	3	0.13
(3,6)	1:5:A:LEU:HD11	1:22:A:PHE:HZ	8	0.13
(3,6)	1:5:A:LEU:HD12	1:22:A:PHE:HZ	8	0.13
(3,6)	1:5:A:LEU:HD13	1:22:A:PHE:HZ	8	0.13
(3,6)	1:5:A:LEU:HD11	1:22:A:PHE:HZ	20	0.13
(3,6)	1:5:A:LEU:HD12	1:22:A:PHE:HZ	20	0.13
(3,6)	1:5:A:LEU:HD13	1:22:A:PHE:HZ	20	0.13
(2,3098)	1:88:A:LYS:HB3	1:88:A:LYS:H	2	0.13
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	9	0.13
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	17	0.13
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	8	0.13
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	8	0.13
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	8	0.13
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	16	0.13
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	16	0.13
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	16	0.13
(2,2963)	1:79:A:MET:HA	1:78:A:VAL:HB	19	0.13
(2,2963)	1:79:A:MET:HA	1:78:A:VAL:HB	20	0.13
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	19	0.13
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	1	0.13
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	12	0.13
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	4	0.13
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	4	0.13
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	4	0.13
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	19	0.13
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	19	0.13
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	19	0.13
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	11	0.13
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	19	0.13
(2,2347)	1:167:A:ARG:HG3	1:167:A:ARG:HA	7	0.13
(2,2331)	1:15:A:LEU:HD21	1:15:A:LEU:HA	6	0.13
(2,2331)	1:15:A:LEU:HD22	1:15:A:LEU:HA	6	0.13
(2,2331)	1:15:A:LEU:HD23	1:15:A:LEU:HA	6	0.13
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	5	0.13
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	14	0.13
(2,2301)	1:75:A:ASN:HB3	1:76:A:ASN:H	9	0.13
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	4	0.13
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	1	0.13
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	2	0.13
(2,2235)	1:103:A:ARG:H	1:102:A:ASN:HB3	4	0.13
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	15	0.13
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	16	0.13
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	20	0.13
(2,2165)	1:80:A:LYS:HB3	1:80:A:LYS:HE2	14	0.13
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	16	0.13
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	1	0.13
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	3	0.13
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	5	0.13
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	6	0.13
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	7	0.13
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	8	0.13
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	9	0.13
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	10	0.13
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	12	0.13
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	13	0.13
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	16	0.13
(2,1985)	1:34:A:PRO:HG2	1:34:A:PRO:HD3	20	0.13
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	4	0.13
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	5	0.13
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	19	0.13
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	11	0.13
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	11	0.13
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	11	0.13
(2,1619)	1:72:A:LEU:HB2	1:80:A:LYS:H	12	0.13
(2,1500)	1:130:A:ASN:HB2	1:129:A:ASN:H	13	0.13
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	14	0.13
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	14	0.13
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	14	0.13
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	1	0.13
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	13	0.13
(2,1085)	1:86:A:VAL:HB	1:86:A:VAL:H	14	0.13
(2,930)	1:23:A:ARG:HD3	1:24:A:ILE:H	9	0.13
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	5	0.13
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	5	0.13
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	5	0.13
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	14	0.13
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	20	0.13
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	6	0.13
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	6	0.13
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	6	0.13
(2,760)	1:140:A:LYS:H	1:139:A:SER:HB3	18	0.13
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	16	0.13
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	19	0.13
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	20	0.13
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	10	0.13
(2,648)	1:80:A:LYS:HE2	1:80:A:LYS:HA	19	0.13
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	9	0.13
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	12	0.13
(2,636)	1:155:A:SER:HB3	1:155:A:SER:HA	13	0.13
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	7	0.13
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	7	0.13
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	7	0.13
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	13	0.13
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	13	0.13
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	13	0.13
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	18	0.13
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	18	0.13
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	18	0.13
(2,613)	1:10:A:LYS:HE3	1:10:A:LYS:HB3	7	0.13
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	1	0.13
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	7	0.13
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	17	0.13
(2,598)	1:75:A:ASN:HB2	1:75:A:ASN:HD22	18	0.13
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	18	0.13
(2,553)	1:11:A:GLN:HB2	1:12:A:GLY:H	6	0.13
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	2	0.13
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	19	0.13
(2,490)	1:11:A:GLN:HG2	1:12:A:GLY:H	2	0.13
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE1	8	0.13
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE2	8	0.13
(2,394)	1:82:A:TYR:HA	1:145:A:MET:HE3	8	0.13
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD11	8	0.13
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD12	8	0.13
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD13	8	0.13
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD11	8	0.13
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD12	8	0.13
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD13	8	0.13
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD11	8	0.13
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD12	8	0.13
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD13	8	0.13
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD11	19	0.13
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD12	19	0.13
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD13	19	0.13
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD11	19	0.13
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD12	19	0.13
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD13	19	0.13
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD11	19	0.13
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD12	19	0.13
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD13	19	0.13
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	13	0.13
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	13	0.13
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	13	0.13
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	3	0.13
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	3	0.13
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	3	0.13
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	3	0.13
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	3	0.13
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	3	0.13
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	4	0.13
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	4	0.13
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	4	0.13
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	4	0.13
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	4	0.13
(4,1553)	1:10:A:LYS:HA	1:11:A:GLN:H	10	0.12
(4,1553)	1:10:A:LYS:HA	1:11:A:GLN:H	16	0.12
(4,1537)	1:120:A:LYS:HD3	1:120:A:LYS:H	18	0.12
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	2	0.12
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	3	0.12
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	6	0.12
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	8	0.12
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	9	0.12
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	14	0.12
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	20	0.12
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	15	0.12
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	3	0.12
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	6	0.12
(4,1509)	1:92:A:GLN:HA	1:92:A:GLN:H	6	0.12
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	1	0.12
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	4	0.12
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	12	0.12
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	17	0.12
(4,1456)	1:29:A:LEU:H	1:28:A:ALA:HA	18	0.12
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	7	0.12
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB1	1	0.12
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB2	1	0.12
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB3	1	0.12
(4,1439)	1:122:A:HIS:H	1:121:A:GLN:H	4	0.12
(4,1439)	1:122:A:HIS:H	1:121:A:GLN:H	19	0.12
(4,1393)	1:10:A:LYS:HE3	1:11:A:GLN:H	18	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	1	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	2	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	3	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	4	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	5	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	7	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	9	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	10	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	11	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	14	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	15	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	16	0.12
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	17	0.12
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1347)	1:3:A:LYS:HA	1:4:A:LEU:H	12	0.12
(4,1347)	1:3:A:LYS:HA	1:4:A:LEU:H	14	0.12
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	12	0.12
(4,1292)	1:116:A:LEU:HG	1:117:A:SER:H	7	0.12
(4,1292)	1:116:A:LEU:HG	1:117:A:SER:H	13	0.12
(4,1269)	1:76:A:ASN:HB2	1:77:A:ARG:H	15	0.12
(4,1269)	1:76:A:ASN:HB2	1:77:A:ARG:H	20	0.12
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	1	0.12
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	13	0.12
(4,1211)	1:153:A:LEU:HB2	1:153:A:LEU:H	6	0.12
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	7	0.12
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	7	0.12
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	7	0.12
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	5	0.12
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	9	0.12
(4,1143)	1:148:A:LYS:H	1:147:A:ASN:HD21	12	0.12
(4,1119)	1:140:A:LYS:H	1:140:A:LYS:HD2	5	0.12
(4,1119)	1:140:A:LYS:H	1:140:A:LYS:HD2	6	0.12
(4,1119)	1:140:A:LYS:H	1:140:A:LYS:HD2	18	0.12
(4,1078)	1:136:A:LYS:HG3	1:137:A:ALA:H	9	0.12
(4,1078)	1:136:A:LYS:HG3	1:137:A:ALA:H	10	0.12
(4,1078)	1:136:A:LYS:HG3	1:137:A:ALA:H	16	0.12
(4,1078)	1:136:A:LYS:HG3	1:137:A:ALA:H	18	0.12
(4,1072)	1:102:A:ASN:HA	1:103:A:ARG:H	8	0.12
(4,1072)	1:102:A:ASN:HA	1:103:A:ARG:H	16	0.12
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	9	0.12
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	1	0.12
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	8	0.12
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	15	0.12
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	19	0.12
(4,1000)	1:3:A:LYS:H	1:4:A:LEU:H	4	0.12
(4,987)	1:37:A:GLN:H	1:36:A:LEU:H	6	0.12
(4,987)	1:37:A:GLN:H	1:36:A:LEU:H	11	0.12
(4,987)	1:37:A:GLN:H	1:36:A:LEU:H	17	0.12
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	5	0.12
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	20	0.12
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	1	0.12
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	4	0.12
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	10	0.12
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	14	0.12
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	15	0.12
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	20	0.12
(4,922)	1:89:A:ILE:H	1:88:A:LYS:H	11	0.12
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	15	0.12
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	15	0.12
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	15	0.12
(4,894)	1:6:A:THR:H	1:6:A:THR:HG21	19	0.12
(4,894)	1:6:A:THR:H	1:6:A:THR:HG22	19	0.12
(4,894)	1:6:A:THR:H	1:6:A:THR:HG23	19	0.12
(4,879)	1:34:A:PRO:HG2	1:35:A:SER:H	13	0.12
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	1	0.12
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	4	0.12
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	8	0.12
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	11	0.12
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	12	0.12
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	15	0.12
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	17	0.12
(4,861)	1:81:A:THR:H	1:81:A:THR:HA	18	0.12
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	9	0.12
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	11	0.12
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	12	0.12
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	19	0.12
(4,729)	1:68:A:LYS:HA	1:69:A:THR:H	14	0.12
(4,727)	1:101:A:ILE:H	1:102:A:ASN:H	19	0.12
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	1	0.12
(4,715)	1:30:A:LEU:HB2	1:30:A:LEU:H	4	0.12
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	3	0.12
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	13	0.12
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	16	0.12
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	16	0.12
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	16	0.12
(4,650)	1:5:A:LEU:H	1:48:A:ILE:H	6	0.12
(4,648)	1:111:A:PHE:HB2	1:112:A:GLY:H	18	0.12
(4,635)	1:122:A:HIS:HB3	1:122:A:HIS:H	12	0.12
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	5	0.12
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	8	0.12
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	10	0.12
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	14	0.12
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	16	0.12
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	9	0.12
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	14	0.12
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	16	0.12
(4,577)	1:55:A:TYR:HD1	1:55:A:TYR:H	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,577)	1:55:A:TYR:HD2	1:55:A:TYR:H	10	0.12
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	4	0.12
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	6	0.12
(4,568)	1:122:A:HIS:HB3	1:123:A:TYR:H	16	0.12
(4,568)	1:122:A:HIS:HB3	1:123:A:TYR:H	19	0.12
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	1	0.12
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	5	0.12
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	8	0.12
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	9	0.12
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	11	0.12
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	16	0.12
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	18	0.12
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	2	0.12
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	3	0.12
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	4	0.12
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	5	0.12
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	9	0.12
(4,487)	1:47:A:VAL:HA	1:47:A:VAL:H	16	0.12
(4,486)	1:40:A:LEU:HD21	1:41:A:THR:H	19	0.12
(4,486)	1:40:A:LEU:HD22	1:41:A:THR:H	19	0.12
(4,486)	1:40:A:LEU:HD23	1:41:A:THR:H	19	0.12
(4,486)	1:40:A:LEU:HD11	1:41:A:THR:H	19	0.12
(4,486)	1:40:A:LEU:HD12	1:41:A:THR:H	19	0.12
(4,486)	1:40:A:LEU:HD13	1:41:A:THR:H	19	0.12
(4,483)	1:4:A:LEU:HB2	1:4:A:LEU:H	3	0.12
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	11	0.12
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	14	0.12
(4,463)	1:104:A:GLN:HG3	1:115:A:TRP:H	5	0.12
(4,443)	1:23:A:ARG:HD3	1:24:A:ILE:H	1	0.12
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD11	4	0.12
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD12	4	0.12
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD13	4	0.12
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	5	0.12
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	17	0.12
(4,407)	1:168:A:GLY:H	1:167:A:ARG:HA	20	0.12
(4,406)	1:15:A:LEU:H	1:14:A:THR:HA	8	0.12
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	3	0.12
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	8	0.12
(4,323)	1:53:A:ASP:HB2	1:53:A:ASP:H	14	0.12
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	2	0.12
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	3	0.12
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	6	0.12
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	7	0.12
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	8	0.12
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	14	0.12
(4,309)	1:10:A:LYS:HA	1:10:A:LYS:H	15	0.12
(4,303)	1:3:A:LYS:HB2	1:4:A:LEU:H	9	0.12
(4,291)	1:82:A:TYR:HD1	1:82:A:TYR:H	19	0.12
(4,291)	1:82:A:TYR:HD2	1:82:A:TYR:H	19	0.12
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	3	0.12
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	13	0.12
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	12	0.12
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	12	0.12
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	12	0.12
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	19	0.12
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	19	0.12
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	19	0.12
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	20	0.12
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	20	0.12
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	20	0.12
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	8	0.12
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	15	0.12
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	2	0.12
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	8	0.12
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	11	0.12
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	12	0.12
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	15	0.12
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	16	0.12
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	20	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	1	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	2	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	3	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	4	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	5	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	6	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	7	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	8	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	9	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	10	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	12	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	13	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	14	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	16	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	18	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	19	0.12
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	20	0.12
(4,210)	1:77:A:ARG:HG2	1:78:A:VAL:H	4	0.12
(4,205)	1:136:A:LYS:HD3	1:137:A:ALA:H	1	0.12
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	2	0.12
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	8	0.12
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	14	0.12
(4,181)	1:121:A:GLN:HG3	1:121:A:GLN:H	11	0.12
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	8	0.12
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	10	0.12
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	20	0.12
(4,138)	1:129:A:ASN:HA	1:130:A:ASN:H	16	0.12
(4,108)	1:77:A:ARG:HB3	1:78:A:VAL:H	12	0.12
(4,108)	1:77:A:ARG:HB3	1:78:A:VAL:H	17	0.12
(4,102)	1:147:A:ASN:H	1:146:A:HIS:HB2	8	0.12
(4,87)	1:80:A:LYS:HD2	1:80:A:LYS:H	18	0.12
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	6	0.12
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	2	0.12
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	10	0.12
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	14	0.12
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	18	0.12
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	10	0.12
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	12	0.12
(4,65)	1:137:A:ALA:H	1:136:A:LYS:HA	18	0.12
(4,55)	1:80:A:LYS:HD2	1:81:A:THR:H	15	0.12
(4,32)	1:143:A:ILE:HB	1:143:A:ILE:H	20	0.12
(4,14)	1:101:A:ILE:HG12	1:102:A:ASN:H	14	0.12
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD11	2	0.12
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD12	2	0.12
(3,76)	1:123:A:TYR:HE1	1:89:A:ILE:HD13	2	0.12
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD11	2	0.12
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD12	2	0.12
(3,76)	1:123:A:TYR:HE2	1:89:A:ILE:HD13	2	0.12
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	19	0.12
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	1	0.12
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	1	0.12
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	1	0.12
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	2	0.12
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	2	0.12
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	3	0.12
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	3	0.12
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	3	0.12
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	5	0.12
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	5	0.12
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	5	0.12
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	6	0.12
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	6	0.12
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	6	0.12
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	9	0.12
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	9	0.12
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	9	0.12
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	11	0.12
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	11	0.12
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	11	0.12
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	12	0.12
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	12	0.12
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	12	0.12
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	15	0.12
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	15	0.12
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	15	0.12
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	18	0.12
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	18	0.12
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	18	0.12
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	3	0.12
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	5	0.12
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	8	0.12
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	10	0.12
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	14	0.12
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	16	0.12
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	17	0.12
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	18	0.12
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	20	0.12
(2,2513)	1:29:A:LEU:HB3	1:29:A:LEU:HG	13	0.12
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	3	0.12
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	5	0.12
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	11	0.12
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	16	0.12
(2,2347)	1:167:A:ARG:HG3	1:167:A:ARG:HA	2	0.12
(2,2347)	1:167:A:ARG:HG3	1:167:A:ARG:HA	4	0.12
(2,2347)	1:167:A:ARG:HG3	1:167:A:ARG:HA	5	0.12
(2,2347)	1:167:A:ARG:HG3	1:167:A:ARG:HA	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2347)	1:167:A:ARG:HG3	1:167:A:ARG:HA	14	0.12
(2,2347)	1:167:A:ARG:HG3	1:167:A:ARG:HA	18	0.12
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	2	0.12
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	12	0.12
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	17	0.12
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	8	0.12
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	5	0.12
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	9	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	3	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	3	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	3	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	9	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	9	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	9	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	14	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	14	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	14	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	16	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	16	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	16	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	19	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	19	0.12
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	19	0.12
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	14	0.12
(2,1707)	1:115:A:TRP:HE3	1:126:A:HIS:HA	16	0.12
(2,1619)	1:72:A:LEU:HB2	1:80:A:LYS:H	7	0.12
(2,1231)	1:167:A:ARG:HD3	1:167:A:ARG:HA	4	0.12
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	2	0.12
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	2	0.12
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	2	0.12
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	18	0.12
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	18	0.12
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	18	0.12
(2,1163)	1:44:A:GLN:HB2	1:45:A:SER:H	9	0.12
(2,1036)	1:131:A:PRO:HG3	1:132:A:ALA:H	12	0.12
(2,930)	1:23:A:ARG:HD3	1:24:A:ILE:H	8	0.12
(2,930)	1:23:A:ARG:HD3	1:24:A:ILE:H	11	0.12
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	4	0.12
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	16	0.12
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	8	0.12
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	8	0.12
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG21	9	0.12
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG22	9	0.12
(2,904)	1:68:A:LYS:HA	1:84:A:ILE:HG23	9	0.12
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	4	0.12
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	4	0.12
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	4	0.12
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	12	0.12
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	13	0.12
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	2	0.12
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	15	0.12
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	8	0.12
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	11	0.12
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	19	0.12
(2,230)	1:104:A:GLN:HB3	1:104:A:GLN:HG3	12	0.12
(1,31)	1:118:A:LEU:HD11	1:123:A:TYR:HB2	5	0.12
(1,31)	1:118:A:LEU:HD12	1:123:A:TYR:HB2	5	0.12
(1,31)	1:118:A:LEU:HD13	1:123:A:TYR:HB2	5	0.12
(1,31)	1:118:A:LEU:HD11	1:123:A:TYR:HB2	11	0.12
(1,31)	1:118:A:LEU:HD12	1:123:A:TYR:HB2	11	0.12
(1,31)	1:118:A:LEU:HD13	1:123:A:TYR:HB2	11	0.12
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	14	0.12
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	14	0.12
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	14	0.12
(4,1553)	1:10:A:LYS:HA	1:11:A:GLN:H	2	0.11
(4,1553)	1:10:A:LYS:HA	1:11:A:GLN:H	11	0.11
(4,1553)	1:10:A:LYS:HA	1:11:A:GLN:H	20	0.11
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	1	0.11
(4,1546)	1:101:A:ILE:HG13	1:102:A:ASN:H	10	0.11
(4,1537)	1:120:A:LYS:HD3	1:120:A:LYS:H	11	0.11
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	1	0.11
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	5	0.11
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	10	0.11
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	12	0.11
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	13	0.11
(4,1519)	1:109:A:GLY:HA3	1:109:A:GLY:H	15	0.11
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	7	0.11
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	4	0.11
(4,1503)	1:23:A:ARG:HD3	1:23:A:ARG:H	10	0.11
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB1	18	0.11
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB2	18	0.11
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB3	18	0.11
(4,1387)	1:29:A:LEU:H	1:28:A:ALA:HB1	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1387)	1:29:A:LEU:H	1:28:A:ALA:HB2	9	0.11
(4,1387)	1:29:A:LEU:H	1:28:A:ALA:HB3	9	0.11
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	6	0.11
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	8	0.11
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	12	0.11
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	13	0.11
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	18	0.11
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	19	0.11
(4,1377)	1:92:A:GLN:HE21	1:92:A:GLN:HE22	20	0.11
(4,1366)	1:57:A:ILE:HA	1:57:A:ILE:H	11	0.11
(4,1347)	1:3:A:LYS:HA	1:4:A:LEU:H	1	0.11
(4,1292)	1:116:A:LEU:HG	1:117:A:SER:H	3	0.11
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	8	0.11
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	9	0.11
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	10	0.11
(4,1248)	1:103:A:ARG:HD3	1:104:A:GLN:H	7	0.11
(4,1211)	1:153:A:LEU:HB2	1:153:A:LEU:H	18	0.11
(4,1211)	1:153:A:LEU:HB2	1:153:A:LEU:H	20	0.11
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	3	0.11
(4,1078)	1:136:A:LYS:HG3	1:137:A:ALA:H	7	0.11
(4,1072)	1:102:A:ASN:HA	1:103:A:ARG:H	7	0.11
(4,1072)	1:102:A:ASN:HA	1:103:A:ARG:H	13	0.11
(4,1065)	1:53:A:ASP:HB3	1:53:A:ASP:H	8	0.11
(4,1065)	1:53:A:ASP:HB3	1:53:A:ASP:H	10	0.11
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	2	0.11
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	3	0.11
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	4	0.11
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	7	0.11
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	12	0.11
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	13	0.11
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	14	0.11
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	19	0.11
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	20	0.11
(4,1046)	1:79:A:MET:HG2	1:80:A:LYS:H	10	0.11
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	4	0.11
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	10	0.11
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	12	0.11
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	13	0.11
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	17	0.11
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	20	0.11
(4,1000)	1:3:A:LYS:H	1:4:A:LEU:H	17	0.11
(4,987)	1:37:A:GLN:H	1:36:A:LEU:H	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	5	0.11
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	12	0.11
(4,956)	1:158:A:PRO:HG2	1:159:A:ASN:H	14	0.11
(4,911)	1:15:A:LEU:HD21	1:16:A:ASN:H	13	0.11
(4,911)	1:15:A:LEU:HD22	1:16:A:ASN:H	13	0.11
(4,911)	1:15:A:LEU:HD23	1:16:A:ASN:H	13	0.11
(4,910)	1:74:A:LEU:H	1:74:A:LEU:HA	16	0.11
(4,894)	1:6:A:THR:H	1:6:A:THR:HG21	5	0.11
(4,894)	1:6:A:THR:H	1:6:A:THR:HG22	5	0.11
(4,894)	1:6:A:THR:H	1:6:A:THR:HG23	5	0.11
(4,879)	1:34:A:PRO:HG2	1:35:A:SER:H	3	0.11
(4,868)	1:21:A:ASP:HB2	1:22:A:PHE:H	16	0.11
(4,847)	1:31:A:GLN:HB2	1:31:A:GLN:H	5	0.11
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	2	0.11
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	6	0.11
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	8	0.11
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	10	0.11
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	15	0.11
(4,813)	1:151:A:ILE:HG12	1:152:A:GLU:H	4	0.11
(4,777)	1:29:A:LEU:HD21	1:30:A:LEU:H	9	0.11
(4,777)	1:29:A:LEU:HD22	1:30:A:LEU:H	9	0.11
(4,777)	1:29:A:LEU:HD23	1:30:A:LEU:H	9	0.11
(4,777)	1:29:A:LEU:HD21	1:30:A:LEU:H	16	0.11
(4,777)	1:29:A:LEU:HD22	1:30:A:LEU:H	16	0.11
(4,777)	1:29:A:LEU:HD23	1:30:A:LEU:H	16	0.11
(4,729)	1:68:A:LYS:HA	1:69:A:THR:H	12	0.11
(4,727)	1:101:A:ILE:H	1:102:A:ASN:H	17	0.11
(4,722)	1:4:A:LEU:HB3	1:5:A:LEU:H	19	0.11
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	12	0.11
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	19	0.11
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	1	0.11
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	1	0.11
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	1	0.11
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	4	0.11
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	4	0.11
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	4	0.11
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	10	0.11
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	10	0.11
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	10	0.11
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	11	0.11
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	11	0.11
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	20	0.11
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	20	0.11
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	20	0.11
(4,655)	1:10:A:LYS:HE3	1:10:A:LYS:H	3	0.11
(4,650)	1:5:A:LEU:H	1:48:A:ILE:H	19	0.11
(4,624)	1:40:A:LEU:HB3	1:41:A:THR:H	15	0.11
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	4	0.11
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	7	0.11
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	6	0.11
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	8	0.11
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	11	0.11
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	14	0.11
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	15	0.11
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	17	0.11
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	18	0.11
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	19	0.11
(4,585)	1:122:A:HIS:HB2	1:122:A:HIS:H	7	0.11
(4,573)	1:153:A:LEU:HB2	1:154:A:ALA:H	13	0.11
(4,572)	1:75:A:ASN:HB3	1:75:A:ASN:H	18	0.11
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	3	0.11
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	6	0.11
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	12	0.11
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	14	0.11
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	17	0.11
(4,555)	1:11:A:GLN:HA	1:11:A:GLN:H	19	0.11
(4,486)	1:40:A:LEU:HD21	1:41:A:THR:H	18	0.11
(4,486)	1:40:A:LEU:HD22	1:41:A:THR:H	18	0.11
(4,486)	1:40:A:LEU:HD23	1:41:A:THR:H	18	0.11
(4,486)	1:40:A:LEU:HD11	1:41:A:THR:H	18	0.11
(4,486)	1:40:A:LEU:HD12	1:41:A:THR:H	18	0.11
(4,486)	1:40:A:LEU:HD13	1:41:A:THR:H	18	0.11
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	1	0.11
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	12	0.11
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	15	0.11
(4,462)	1:144:A:ARG:HD2	1:145:A:MET:H	16	0.11
(4,438)	1:13:A:ASP:HB2	1:13:A:ASP:H	10	0.11
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD11	15	0.11
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD12	15	0.11
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD13	15	0.11
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	7	0.11
(4,406)	1:15:A:LEU:H	1:14:A:THR:HA	10	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG11	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG12	2	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG13	2	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG11	12	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG12	12	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG13	12	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG11	17	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG12	17	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG13	17	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG11	20	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG12	20	0.11
(4,339)	1:164:A:THR:H	1:163:A:VAL:HG13	20	0.11
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	1	0.11
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	4	0.11
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	15	0.11
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	19	0.11
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	8	0.11
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	8	0.11
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	8	0.11
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	16	0.11
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	16	0.11
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	16	0.11
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	2	0.11
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	5	0.11
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	6	0.11
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	7	0.11
(4,237)	1:6:A:THR:HA	1:6:A:THR:H	17	0.11
(4,205)	1:136:A:LYS:HD3	1:137:A:ALA:H	20	0.11
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	7	0.11
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	12	0.11
(4,188)	1:136:A:LYS:HG2	1:137:A:ALA:H	5	0.11
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	9	0.11
(4,180)	1:160:A:GLY:HA3	1:161:A:THR:H	13	0.11
(4,138)	1:129:A:ASN:HA	1:130:A:ASN:H	1	0.11
(4,138)	1:129:A:ASN:HA	1:130:A:ASN:H	18	0.11
(4,108)	1:77:A:ARG:HB3	1:78:A:VAL:H	14	0.11
(4,102)	1:147:A:ASN:H	1:146:A:HIS:HB2	4	0.11
(4,94)	1:35:A:SER:HB2	1:36:A:LEU:H	13	0.11
(4,68)	1:120:A:LYS:HB2	1:120:A:LYS:H	17	0.11
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	4	0.11
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	5	0.11
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	6	0.11
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	12	0.11
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	15	0.11
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	19	0.11
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	20	0.11
(4,62)	1:56:A:THR:H	1:55:A:TYR:HB2	2	0.11
(4,53)	1:121:A:GLN:H	1:121:A:GLN:HA	3	0.11
(4,53)	1:121:A:GLN:H	1:121:A:GLN:HA	6	0.11
(4,53)	1:121:A:GLN:H	1:121:A:GLN:HA	12	0.11
(4,53)	1:121:A:GLN:H	1:121:A:GLN:HA	18	0.11
(2,3138)	1:98:A:PHE:H	1:97:A:GLU:HG2	20	0.11
(2,3098)	1:88:A:LYS:HB3	1:88:A:LYS:H	4	0.11
(2,3097)	1:77:A:ARG:HB3	1:78:A:VAL:H	13	0.11
(2,3089)	1:97:A:GLU:HA	1:97:A:GLU:HG3	5	0.11
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	4	0.11
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	4	0.11
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	4	0.11
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	10	0.11
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	10	0.11
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	10	0.11
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	13	0.11
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	13	0.11
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	13	0.11
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	14	0.11
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	14	0.11
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	14	0.11
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	17	0.11
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	17	0.11
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	17	0.11
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	19	0.11
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	19	0.11
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	19	0.11
(2,2969)	1:51:A:LEU:HD21	1:51:A:LEU:HA	8	0.11
(2,2969)	1:51:A:LEU:HD22	1:51:A:LEU:HA	8	0.11
(2,2969)	1:51:A:LEU:HD23	1:51:A:LEU:HA	8	0.11
(2,2969)	1:51:A:LEU:HD21	1:51:A:LEU:HA	16	0.11
(2,2969)	1:51:A:LEU:HD22	1:51:A:LEU:HA	16	0.11
(2,2969)	1:51:A:LEU:HD23	1:51:A:LEU:HA	16	0.11
(2,2963)	1:79:A:MET:HA	1:78:A:VAL:HB	14	0.11
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	2	0.11
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	9	0.11
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	12	0.11
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	15	0.11
(2,2642)	1:36:A:LEU:HA	1:36:A:LEU:HG	20	0.11
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	10	0.11
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	12	0.11
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	18	0.11
(2,2490)	1:10:A:LYS:HG2	1:10:A:LYS:HD3	20	0.11
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	7	0.11
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	7	0.11
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	7	0.11
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	20	0.11
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	20	0.11
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	20	0.11
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	5	0.11
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	9	0.11
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	10	0.11
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	12	0.11
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	14	0.11
(2,2347)	1:167:A:ARG:HG3	1:167:A:ARG:HA	11	0.11
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	1	0.11
(2,2285)	1:79:A:MET:HG3	1:80:A:LYS:H	3	0.11
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	3	0.11
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	9	0.11
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	15	0.11
(2,2031)	1:104:A:GLN:HG3	1:104:A:GLN:H	19	0.11
(2,2007)	1:111:A:PHE:HB3	1:112:A:GLY:H	7	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	1	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	2	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	3	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	4	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	5	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	6	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	7	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	8	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	9	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	10	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	11	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	12	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	13	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	14	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	15	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	16	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	18	0.11
(2,1828)	1:23:A:ARG:HD2	1:23:A:ARG:HG2	19	0.11
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	9	0.11
(2,1798)	1:140:A:LYS:HG3	1:140:A:LYS:HA	14	0.11
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	4	0.11
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	4	0.11
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	4	0.11
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	5	0.11
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	5	0.11
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	5	0.11
(2,1619)	1:72:A:LEU:HB2	1:80:A:LYS:H	5	0.11
(2,1619)	1:72:A:LEU:HB2	1:80:A:LYS:H	17	0.11
(2,1272)	1:30:A:LEU:HB3	1:30:A:LEU:H	12	0.11
(2,1231)	1:167:A:ARG:HD3	1:167:A:ARG:HA	12	0.11
(2,1231)	1:167:A:ARG:HD3	1:167:A:ARG:HA	14	0.11
(2,1207)	1:116:A:LEU:HD21	1:115:A:TRP:HA	11	0.11
(2,1207)	1:116:A:LEU:HD22	1:115:A:TRP:HA	11	0.11
(2,1207)	1:116:A:LEU:HD23	1:115:A:TRP:HA	11	0.11
(2,1061)	1:167:A:ARG:HB2	1:167:A:ARG:HG3	17	0.11
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	2	0.11
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	15	0.11
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	17	0.11
(2,870)	1:120:A:LYS:HA	1:120:A:LYS:HD2	7	0.11
(2,859)	1:79:A:MET:HG3	1:79:A:MET:HA	16	0.11
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	3	0.11
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	3	0.11
(2,812)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	3	0.11
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	3	0.11
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	7	0.11
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	15	0.11
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	8	0.11
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	8	0.11
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	8	0.11
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	9	0.11
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	9	0.11
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	9	0.11
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	3	0.11
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	13	0.11
(2,492)	1:80:A:LYS:HB2	1:72:A:LEU:HB2	16	0.11
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	1	0.11
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	3	0.11
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	3	0.11
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	17	0.11
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	17	0.11
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	17	0.11
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD11	20	0.11
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD12	20	0.11
(1,27)	1:122:A:HIS:HB2	1:89:A:ILE:HD13	20	0.11
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	8	0.11
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	8	0.11
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	8	0.11
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE1	7	0.11
(1,5)	1:93:A:THR:HG21	1:123:A:TYR:HE2	7	0.11
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE1	7	0.11
(1,5)	1:93:A:THR:HG22	1:123:A:TYR:HE2	7	0.11
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE1	7	0.11
(1,5)	1:93:A:THR:HG23	1:123:A:TYR:HE2	7	0.11
(1,1)	1:5:A:LEU:HD11	1:48:A:ILE:HB	16	0.11
(1,1)	1:5:A:LEU:HD12	1:48:A:ILE:HB	16	0.11
(1,1)	1:5:A:LEU:HD13	1:48:A:ILE:HB	16	0.11
(4,1553)	1:10:A:LYS:HA	1:11:A:GLN:H	14	0.1
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	17	0.1
(4,1517)	1:158:A:PRO:HB2	1:159:A:ASN:H	19	0.1
(4,1513)	1:98:A:PHE:H	1:97:A:GLU:HG3	4	0.1
(4,1454)	1:133:A:SER:HB2	1:133:A:SER:H	11	0.1
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB1	2	0.1
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB2	2	0.1
(4,1446)	1:68:A:LYS:H	1:67:A:ALA:HB3	2	0.1
(4,1430)	1:140:A:LYS:HB2	1:141:A:GLY:H	9	0.1
(4,1337)	1:68:A:LYS:H	1:68:A:LYS:HE2	19	0.1
(4,1276)	1:92:A:GLN:H	1:93:A:THR:H	2	0.1
(4,1269)	1:76:A:ASN:HB2	1:77:A:ARG:H	4	0.1
(4,1265)	1:40:A:LEU:HG	1:41:A:THR:H	20	0.1
(4,1209)	1:95:A:THR:H	1:94:A:PRO:HB3	1	0.1
(4,1208)	1:74:A:LEU:H	1:73:A:SER:HA	3	0.1
(4,1200)	1:57:A:ILE:HD11	1:57:A:ILE:H	11	0.1
(4,1200)	1:57:A:ILE:HD12	1:57:A:ILE:H	11	0.1
(4,1200)	1:57:A:ILE:HD13	1:57:A:ILE:H	11	0.1
(4,1156)	1:92:A:GLN:H	1:93:A:THR:H	1	0.1
(4,1124)	1:3:A:LYS:H	1:4:A:LEU:H	6	0.1
(4,1072)	1:102:A:ASN:HA	1:103:A:ARG:H	11	0.1
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	1	0.1
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	11	0.1
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	17	0.1
(4,1049)	1:37:A:GLN:H	1:38:A:ALA:H	18	0.1
(4,1046)	1:79:A:MET:HG2	1:80:A:LYS:H	1	0.1
(4,1046)	1:79:A:MET:HG2	1:80:A:LYS:H	9	0.1
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	3	0.1
(4,1031)	1:154:A:ALA:H	1:153:A:LEU:H	5	0.1
(4,1016)	1:15:A:LEU:HD21	1:26:A:THR:H	8	0.1
(4,1016)	1:15:A:LEU:HD22	1:26:A:THR:H	8	0.1
(4,1016)	1:15:A:LEU:HD23	1:26:A:THR:H	8	0.1
(4,1000)	1:3:A:LYS:H	1:4:A:LEU:H	20	0.1
(4,987)	1:37:A:GLN:H	1:36:A:LEU:H	8	0.1
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	7	0.1
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	9	0.1
(4,978)	1:138:A:VAL:HB	1:138:A:VAL:H	15	0.1
(4,968)	1:90:A:LEU:H	1:90:A:LEU:HB2	17	0.1
(4,929)	1:10:A:LYS:HG3	1:11:A:GLN:H	2	0.1
(4,929)	1:10:A:LYS:HG3	1:11:A:GLN:H	8	0.1
(4,910)	1:74:A:LEU:H	1:74:A:LEU:HA	3	0.1
(4,910)	1:74:A:LEU:H	1:74:A:LEU:HA	4	0.1
(4,910)	1:74:A:LEU:H	1:74:A:LEU:HA	8	0.1
(4,910)	1:74:A:LEU:H	1:74:A:LEU:HA	12	0.1
(4,910)	1:74:A:LEU:H	1:74:A:LEU:HA	17	0.1
(4,910)	1:74:A:LEU:H	1:74:A:LEU:HA	20	0.1
(4,894)	1:6:A:THR:H	1:6:A:THR:HG21	2	0.1
(4,894)	1:6:A:THR:H	1:6:A:THR:HG22	2	0.1
(4,894)	1:6:A:THR:H	1:6:A:THR:HG23	2	0.1
(4,877)	1:154:A:ALA:H	1:153:A:LEU:H	16	0.1
(4,865)	1:144:A:ARG:HD3	1:145:A:MET:H	14	0.1
(4,854)	1:103:A:ARG:HG2	1:104:A:GLN:H	15	0.1
(4,832)	1:146:A:HIS:HA	1:147:A:ASN:H	14	0.1
(4,729)	1:68:A:LYS:HA	1:69:A:THR:H	18	0.1
(4,711)	1:37:A:GLN:H	1:36:A:LEU:H	1	0.1
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD11	17	0.1
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD12	17	0.1
(4,706)	1:68:A:LYS:H	1:84:A:ILE:HD13	17	0.1
(4,701)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	3	0.1
(4,701)	1:33:A:ASN:HB3	1:33:A:ASN:HD21	8	0.1
(4,681)	1:26:A:THR:HG21	1:27:A:ALA:H	6	0.1
(4,681)	1:26:A:THR:HG22	1:27:A:ALA:H	6	0.1
(4,681)	1:26:A:THR:HG23	1:27:A:ALA:H	6	0.1
(4,652)	1:18:A:ILE:HG21	1:19:A:ALA:H	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,652)	1:18:A:ILE:HG22	1:19:A:ALA:H	13	0.1
(4,652)	1:18:A:ILE:HG23	1:19:A:ALA:H	13	0.1
(4,652)	1:18:A:ILE:HG21	1:19:A:ALA:H	20	0.1
(4,652)	1:18:A:ILE:HG22	1:19:A:ALA:H	20	0.1
(4,652)	1:18:A:ILE:HG23	1:19:A:ALA:H	20	0.1
(4,648)	1:111:A:PHE:HB2	1:112:A:GLY:H	7	0.1
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	15	0.1
(4,597)	1:40:A:LEU:HB3	1:40:A:LEU:H	18	0.1
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	1	0.1
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	2	0.1
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	3	0.1
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	4	0.1
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	5	0.1
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	7	0.1
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	9	0.1
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	10	0.1
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	12	0.1
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	13	0.1
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	16	0.1
(4,588)	1:37:A:GLN:HE21	1:37:A:GLN:HE22	20	0.1
(4,515)	1:80:A:LYS:HD3	1:80:A:LYS:H	16	0.1
(4,486)	1:40:A:LEU:HD21	1:41:A:THR:H	4	0.1
(4,486)	1:40:A:LEU:HD22	1:41:A:THR:H	4	0.1
(4,486)	1:40:A:LEU:HD23	1:41:A:THR:H	4	0.1
(4,486)	1:40:A:LEU:HD11	1:41:A:THR:H	4	0.1
(4,486)	1:40:A:LEU:HD12	1:41:A:THR:H	4	0.1
(4,486)	1:40:A:LEU:HD13	1:41:A:THR:H	4	0.1
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	7	0.1
(4,471)	1:156:A:ILE:HB	1:156:A:ILE:H	18	0.1
(4,442)	1:166:A:ASN:H	1:166:A:ASN:HB2	19	0.1
(4,438)	1:13:A:ASP:HB2	1:13:A:ASP:H	2	0.1
(4,438)	1:13:A:ASP:HB2	1:13:A:ASP:H	7	0.1
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD11	14	0.1
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD12	14	0.1
(4,416)	1:126:A:HIS:H	1:125:A:ILE:HD13	14	0.1
(4,411)	1:15:A:LEU:HB3	1:15:A:LEU:H	16	0.1
(4,406)	1:15:A:LEU:H	1:14:A:THR:HA	12	0.1
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	6	0.1
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	7	0.1
(4,289)	1:143:A:ILE:HG13	1:144:A:ARG:H	10	0.1
(4,279)	1:101:A:ILE:HD11	1:101:A:ILE:H	7	0.1
(4,279)	1:101:A:ILE:HD12	1:101:A:ILE:H	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,279)	1:101:A:ILE:HD13	1:101:A:ILE:H	7	0.1
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	4	0.1
(4,277)	1:97:A:GLU:H	1:96:A:GLY:H	7	0.1
(4,275)	1:167:A:ARG:H	1:166:A:ASN:HB3	7	0.1
(4,244)	1:159:A:ASN:HB3	1:159:A:ASN:H	16	0.1
(4,240)	1:161:A:THR:HB	1:161:A:THR:H	3	0.1
(4,214)	1:99:A:TYR:HB3	1:100:A:ILE:H	1	0.1
(4,200)	1:65:A:ILE:HG12	1:66:A:GLY:H	9	0.1
(4,138)	1:129:A:ASN:HA	1:130:A:ASN:H	19	0.1
(4,138)	1:129:A:ASN:HA	1:130:A:ASN:H	20	0.1
(4,108)	1:77:A:ARG:HB3	1:78:A:VAL:H	6	0.1
(4,81)	1:10:A:LYS:HE2	1:11:A:GLN:H	9	0.1
(4,77)	1:102:A:ASN:H	1:117:A:SER:HB2	8	0.1
(4,77)	1:102:A:ASN:H	1:117:A:SER:HB2	11	0.1
(4,67)	1:105:A:ARG:HB3	1:105:A:ARG:H	18	0.1
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	1	0.1
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	9	0.1
(4,66)	1:161:A:THR:HA	1:161:A:THR:H	13	0.1
(4,53)	1:121:A:GLN:H	1:121:A:GLN:HA	2	0.1
(4,43)	1:92:A:GLN:HG2	1:92:A:GLN:HE21	17	0.1
(2,3158)	1:89:A:ILE:HG21	1:89:A:ILE:HD11	9	0.1
(2,3158)	1:89:A:ILE:HG21	1:89:A:ILE:HD12	9	0.1
(2,3158)	1:89:A:ILE:HG21	1:89:A:ILE:HD13	9	0.1
(2,3158)	1:89:A:ILE:HG22	1:89:A:ILE:HD11	9	0.1
(2,3158)	1:89:A:ILE:HG22	1:89:A:ILE:HD12	9	0.1
(2,3158)	1:89:A:ILE:HG22	1:89:A:ILE:HD13	9	0.1
(2,3158)	1:89:A:ILE:HG23	1:89:A:ILE:HD11	9	0.1
(2,3158)	1:89:A:ILE:HG23	1:89:A:ILE:HD12	9	0.1
(2,3158)	1:89:A:ILE:HG23	1:89:A:ILE:HD13	9	0.1
(2,3158)	1:89:A:ILE:HG21	1:89:A:ILE:HD11	15	0.1
(2,3158)	1:89:A:ILE:HG21	1:89:A:ILE:HD12	15	0.1
(2,3158)	1:89:A:ILE:HG21	1:89:A:ILE:HD13	15	0.1
(2,3158)	1:89:A:ILE:HG22	1:89:A:ILE:HD11	15	0.1
(2,3158)	1:89:A:ILE:HG22	1:89:A:ILE:HD12	15	0.1
(2,3158)	1:89:A:ILE:HG22	1:89:A:ILE:HD13	15	0.1
(2,3158)	1:89:A:ILE:HG23	1:89:A:ILE:HD11	15	0.1
(2,3158)	1:89:A:ILE:HG23	1:89:A:ILE:HD12	15	0.1
(2,3158)	1:89:A:ILE:HG23	1:89:A:ILE:HD13	15	0.1
(2,3158)	1:89:A:ILE:HG21	1:89:A:ILE:HD11	20	0.1
(2,3158)	1:89:A:ILE:HG21	1:89:A:ILE:HD12	20	0.1
(2,3158)	1:89:A:ILE:HG21	1:89:A:ILE:HD13	20	0.1
(2,3158)	1:89:A:ILE:HG22	1:89:A:ILE:HD11	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3158)	1:89:A:ILE:HG22	1:89:A:ILE:HD12	20	0.1
(2,3158)	1:89:A:ILE:HG22	1:89:A:ILE:HD13	20	0.1
(2,3158)	1:89:A:ILE:HG23	1:89:A:ILE:HD11	20	0.1
(2,3158)	1:89:A:ILE:HG23	1:89:A:ILE:HD12	20	0.1
(2,3158)	1:89:A:ILE:HG23	1:89:A:ILE:HD13	20	0.1
(2,3098)	1:88:A:LYS:HB3	1:88:A:LYS:H	9	0.1
(2,3098)	1:88:A:LYS:HB3	1:88:A:LYS:H	16	0.1
(2,3098)	1:88:A:LYS:HB3	1:88:A:LYS:H	19	0.1
(2,3085)	1:45:A:SER:HB3	1:45:A:SER:H	7	0.1
(2,3023)	1:51:A:LEU:HD21	1:51:A:LEU:HA	7	0.1
(2,3023)	1:51:A:LEU:HD22	1:51:A:LEU:HA	7	0.1
(2,3023)	1:51:A:LEU:HD23	1:51:A:LEU:HA	7	0.1
(2,2969)	1:51:A:LEU:HD21	1:51:A:LEU:HA	6	0.1
(2,2969)	1:51:A:LEU:HD22	1:51:A:LEU:HA	6	0.1
(2,2969)	1:51:A:LEU:HD23	1:51:A:LEU:HA	6	0.1
(2,2969)	1:51:A:LEU:HD21	1:51:A:LEU:HA	9	0.1
(2,2969)	1:51:A:LEU:HD22	1:51:A:LEU:HA	9	0.1
(2,2969)	1:51:A:LEU:HD23	1:51:A:LEU:HA	9	0.1
(2,2969)	1:51:A:LEU:HD21	1:51:A:LEU:HA	12	0.1
(2,2969)	1:51:A:LEU:HD22	1:51:A:LEU:HA	12	0.1
(2,2969)	1:51:A:LEU:HD23	1:51:A:LEU:HA	12	0.1
(2,2805)	1:144:A:ARG:HD3	1:144:A:ARG:HA	2	0.1
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	4	0.1
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	7	0.1
(2,2803)	1:49:A:PRO:HB2	1:49:A:PRO:HD3	11	0.1
(2,2767)	1:72:A:LEU:HD21	1:72:A:LEU:HA	11	0.1
(2,2767)	1:72:A:LEU:HD22	1:72:A:LEU:HA	11	0.1
(2,2767)	1:72:A:LEU:HD23	1:72:A:LEU:HA	11	0.1
(2,2763)	1:80:A:LYS:HG3	1:80:A:LYS:HE2	20	0.1
(2,2434)	1:5:A:LEU:HD21	1:7:A:TYR:HB3	1	0.1
(2,2434)	1:5:A:LEU:HD22	1:7:A:TYR:HB3	1	0.1
(2,2434)	1:5:A:LEU:HD23	1:7:A:TYR:HB3	1	0.1
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	2	0.1
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	3	0.1
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	13	0.1
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	15	0.1
(2,2354)	1:52:A:PRO:HG3	1:52:A:PRO:HA	18	0.1
(2,2347)	1:167:A:ARG:HG3	1:167:A:ARG:HA	10	0.1
(2,2326)	1:45:A:SER:HB3	1:46:A:ILE:H	16	0.1
(2,2301)	1:75:A:ASN:HB3	1:76:A:ASN:H	14	0.1
(2,2301)	1:75:A:ASN:HB3	1:76:A:ASN:H	20	0.1
(2,2217)	1:34:A:PRO:HB3	1:35:A:SER:H	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2092)	1:51:A:LEU:H	1:51:A:LEU:HG	20	0.1
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	6	0.1
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	6	0.1
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	6	0.1
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD21	12	0.1
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD22	12	0.1
(2,1788)	1:37:A:GLN:H	1:36:A:LEU:HD23	12	0.1
(2,927)	1:147:A:ASN:HB2	1:147:A:ASN:HD21	13	0.1
(2,853)	1:11:A:GLN:HG2	1:11:A:GLN:HB2	11	0.1
(2,745)	1:2:A:ARG:HB2	1:2:A:ARG:HG3	8	0.1
(2,710)	1:77:A:ARG:HB3	1:77:A:ARG:HD2	14	0.1
(2,648)	1:80:A:LYS:HE2	1:80:A:LYS:HA	7	0.1
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	6	0.1
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	6	0.1
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	6	0.1
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD21	15	0.1
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD22	15	0.1
(2,631)	1:52:A:PRO:HD2	1:51:A:LEU:HD23	15	0.1
(2,574)	1:95:A:THR:H	1:94:A:PRO:HB3	10	0.1
(2,334)	1:136:A:LYS:HD2	1:136:A:LYS:H	3	0.1
(2,325)	1:94:A:PRO:HA	1:95:A:THR:H	7	0.1
(2,227)	1:10:A:LYS:HG2	1:10:A:LYS:HE2	17	0.1
(2,151)	1:105:A:ARG:HB3	1:105:A:ARG:HD3	16	0.1
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	2	0.1
(2,8)	1:80:A:LYS:HB2	1:80:A:LYS:HD2	12	0.1
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD11	1	0.1
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD12	1	0.1
(1,38)	1:5:A:LEU:HD11	1:48:A:ILE:HD13	1	0.1
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD11	1	0.1
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD12	1	0.1
(1,38)	1:5:A:LEU:HD12	1:48:A:ILE:HD13	1	0.1
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD11	1	0.1
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD12	1	0.1
(1,38)	1:5:A:LEU:HD13	1:48:A:ILE:HD13	1	0.1
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG21	19	0.1
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG22	19	0.1
(1,24)	1:142:A:CYS:HB3	1:89:A:ILE:HG23	19	0.1

10 Dihedral-angle violation analysis ⓘ

No dihedral-angle restraints found